CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Buildings for various departments, Washington, D. C., Treas. Dept. plans buildings, total $26,000,000.

Refinery, Indiana, Roxana Petroleum Corp., St. Louis, Mo., plans oil refinery, $7,000,000.

School buildings, Cleveland, O., Case School of Applied Science having plans prepared, $5,000,000.

Motor device factory, Cicero, Ill., Stromberg Motor Devices Co. having plans prepared, $4,000,000.

Hotel and store, Albany, N. Y., Metropolitan Realty Co., N. Y. C., having plans prepared, $4,000,000.

Hotel, New York, N. Y., Luigi Gerbino having plans prepared, $4,000,000.

Exposition building, Des Moines, Ia., G. E. Hamilton, Convention Secy., plans building, $2,000,000-$3,000,000.

Hotel, San Antonio, Tex., St. Anthony Hotel having plans prepared, $1,600,000.

Exchange and office, Stockton, Calif., Pacific Telegraph and Telephone Co. having plans prepared, $1,500,000.

Club, hotel and theatre, San Antonio, Tex., San Antonio Turn Verein Club having plans prepared, $1,500,000.

Apartment, Brooklyn, N. Y., Brooklyn Realty Co. having plans prepared, $1,500,000.

Bids Wanted

Hospital buildings, Chicago, Ill., Mar. 29, H. A. Zender, supt. Public Service, Cook Co., total $2,500,000.

Club, Chicago, Ill., about April 1, Michaelson & Rogustod, archts. for Mid-West Athletic Club, $2,500,000.

Apartment, Chicago, Ill., Guske & Foster, archts., taking bids for P. M. Gordon, $2,450,000.

Apartment hotel, Chicago, Ill., W. Reichert, archt., preparing plans and takes bids April or May, $2,000,000.

Paving, Durham, N. C., April 1, City Council, $1,000,000.

Contracts

Depot, Cleveland, O., D. Jonett, engr., to J. Gill & Sons, $8,000,000.

Hotel, Detroit, Mich., Detroit Hotel Co. to Lundoff Bicknell Co., Cleveland, O., $3,500,000.

Hotel, New York, N. Y., S. Jacobs to Schroeder & Koppel, Inc., $3,000,000.

Bank and office, Washington, D. C., Coolidge, Shepley, Bulfinch & Abbott, archts., to Boyle Robertson Contr. Co., $2,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Mar. 12 Dayton, O. ..... Mar. 11
Mar. 12 Long Island City, N. Y. .... Mar. 11
Mar. 12 New York City, N. Y. ..... Mar. 11
Mar. 12 St. George, N. Y. ..... Mar. 11
Mar. 15 St. Paul, Minn. ..... Mar. 11
Mar. 15 Kenosha, Wis. ..... Mar. 11
Mar. 15 Knoxville, Tenn. ..... Mar. 11
Mar. 15 Warren, Mich. ..... Mar. 11
Mar. 15 Fairmont, Minn. ..... Mar. 11
Mar. 15 Crane, Mo. ..... Feb. 18
Mar. 15 Edmonton, Alta. ..... Feb. 25
Mar. 15 Chicago, Ill. ..... Mar. 11
Mar. 16 St. Louis, Mo. ..... Feb. 25
Mar. 16 Perry, Fla. ..... Mar. 11
Mar. 16 Phila., Pa. ..... Mar. 11
Mar. 17 Baltimore, Md. ..... Mar. 11
Mar. 17 Cleveland, O. ..... Mar. 11
Mar. 17 Saugerties, N. Y. ..... Feb. 25
Mar. 17 Wilmington, Del. ..... Feb. 25
Mar. 18 Cincinnati, O. ..... Mar. 11
Mar. 18 Puyallup, Wash. ..... Mar. 11
Mar. 19 Abilene, Tex. ..... Mar. 11
Adv. Mar. 4 and 11.
Mar. 19 Holyoke, Mass. ..... Mar. 11
Mar. 19 Virginia ..... Mar. 11
Adv. Mar. 11.
Mar. 19 Cleveland, O. ..... Mar. 11
Mar. 22 San Diego, Calif. ..... Mar. 4
Mar. 22 Wolf Point, Mont. ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 22 Yonkers, N. Y. ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 23 Detroit, Mich. ..... Mar. 11
Mar. 23 Long Beach, Miss. ..... Mar. 11
Mar. 23 Akron, O. ..... Mar. 11
Mar. 26 East Paterson, N. J. ..... Feb. 18
Mar. 26 Wash., D. C. ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 26 Wash., D. C. ..... Mar. 11
Adv. Mar. 11.
Mar. 29 Waite Park, Minn. ..... Mar. 11
Mar. 30 Tampa, Fla. ..... Mar. 11
Adv. Mar. 11.
Mar. 31 Warsaw, Ill. ..... Mar. 4
Mar. 31 Decatur, Ill. ..... Mar. 11
Adv. Mar. 11.

Sewers

Mar. 12 Dayton, O. ..... Mar. 11
Mar. 13 Milwaukee, Wis. ..... Mar. 11
Mar. 15 Detroit, Mich. ..... Mar. 11
Mar. 15 Waco, Tex. ..... Jan. 21
Mar. 16 West Palm Beach, Fla. .... Feb. 18
Adv. Feb. 18 to Mar. 11.
Mar. 16 Barrington, Ill. ..... Mar. 4
Mar. 17 Wichita Falls, Tex. ..... Feb. 25
Mar. 17 Cleveland, O. ..... Mar. 11
Mar. 17 Baltimore, Md. ..... Mar. 11
Mar. 18 Akron, O. ..... Mar. 11
Mar. 18 Chicago, Ill. ..... Mar. 4
Mar. 23 Paris, Ark. ..... Mar. 11

Bids close — *See Eng. News-Record*

Mar. 24 Kansas City, Mo. ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 25 Sioux Falls, S. D. ..... Mar. 4
Adv. Mar. 4 and 11.
Apr. 5 Coatesville, Pa. ..... Mar. 11
Adv. Mar. 11.
Apr. 7 Rye, N. Y. ..... Mar. 11
Adv. Mar. 11.

Waste Disposal

Mar. 12 Cleveland, O. ..... Mar. 11

Bridges

Mar. 16 South Carolina ..... Feb. 25
Mar. 16 Walters, Okla. ..... Mar. 11
Mar. 16 Missouri ..... Mar. 11
Mar. 16 Oklahoma ..... Mar. 11
Mar. 18 Laverne, Okla. ..... Feb. 11
Mar. 19 Ohio ..... Mar. 11
Mar. 22 California ..... Mar. 11
Mar. 23 Louisiana ..... Mar. 11
Mar. 23 Texas ..... Mar. 11
Mar. 29 San Antonio, Tex. ..... Mar. 11
Mar. 29 Camden, N. J. ..... Mar. 11
Adv. Mar. 11.
Mar. 30 Tampa, Fla. ..... Feb. 25
Mar. 30 Louisiana ..... Feb. 25
Adv. Feb. 25 and Mar. 4.
Mar. 30 Poughkeepsie, N. Y. ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 30 Louisiana ..... Mar. 4
Apr. 6 Jones, La. ..... Mar. 4
Apr. 6 St. Louis, Mo. ..... Mar. 11

Excavation, Drainage, Irrigation, Levees, River and Harbor

Mar. 15 Orange, Tex. ..... Mar. 11
Mar. 16 New Jersey ..... Mar. 4
Mar. 17 Milwaukee, Wis. ..... Mar. 11
Mar. 18 Schuyler, Neb. ..... Mar. 11
Mar. 18 New York City, N. Y. .... Mar. 11
Adv. Mar. 11.
Mar. 19 British Columbia ..... Mar. 11
Mar. 20 Nebraska ..... Mar. 11
Mar. 25 Hammond, La. ..... Mar. 4
Mar. 26 Shreveport, La. ..... Mar. 11
Apr. 5 Peru, Ind. ..... Mar. 4
Adv. Mar. 4.
Apr. 8 New York City, N. Y. ..... Mar. 11
Adv. Mar. 11.

Streets and Roads

Mar. 12 Cincinnati, O. ..... Mar. 11
Mar. 15 Charleston, W. Va. ..... Mar. 11
Mar. 15 Anderson, Ind. ..... Mar. 4
Mar. 15 Summerville, W. Va. ..... Feb. 25
Mar. 15 Florida ..... Feb. 25
Mar. 15 Oklahoma ..... Feb. 25
Mar. 15 Reno, Nev. ..... Mar. 4
Mar. 15 Okemah, Okla. ..... Mar. 4
Mar. 15 South St. Paul, Minn. .... Mar. 11

Bids close — *See Eng. News-Record*

Mar. 16 Missouri ..... Mar. 11
Mar. 16 Oshkosh, Wis. ..... Mar. 11
Mar. 16 Michigan ..... Mar. 4
Mar. 16 West Virginia ..... Feb. 25
Mar. 16 Louisiana ..... Feb. 18
Mar. 16 St. Louis, Mo. ..... Feb. 25
Mar. 16 Sheboygan Falls, Wis. .... Mar. 4
Mar. 16 Montana ..... Mar. 4
Mar. 16 Washington ..... Mar. 4
Mar. 16 Minnesota, Wis. ..... Mar. 11
Mar. 16 Oklahoma ..... Mar. 11
Mar. 16 Trenton, N. J. ..... Mar. 11
Mar. 17 North Dakota ..... Mar. 11
Mar. 17 Rhode Island ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 17 Baltimore, Md. ..... Mar. 11
Mar. 18 New York City, N. Y. .... Mar. 11
Mar. 18 North Dakota ..... Mar. 11
Mar. 18 Russel Springs, Kan. .... Mar. 11
Mar. 18 Illinois ..... Mar. 11
Mar. 19 North Dakota ..... Mar. 11
Mar. 19 Joliet, Ill. ..... Mar. 4
Mar. 19 Winfield, Kan. ..... Feb. 25
Mar. 19 Cleburne, Tex. ..... Mar. 4
Mar. 19 Ohio ..... Mar. 11
Mar. 19 Cincinnati, O. ..... Mar. 11
Mar. 20 Idaho ..... Mar. 11
Mar. 22 New Jersey ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 22 Ontario ..... Mar. 11
Mar. 22 Texas ..... Mar. 11
Mar. 22 Dayton, O. ..... Mar. 11
Mar. 22 California ..... Mar. 11
Mar. 23 Larned, Kan. ..... Mar. 4
Mar. 23 Pennsylvania ..... Feb. 25
Adv. Feb. 25 to Mar. 11.
Mar. 23 Bastrop, La. ..... Mar. 11
Mar. 23 Sigourney, Ia. ..... Mar. 11
Mar. 23 Williamson, W. Va. ..... Mar. 11
Mar. 23 Louisiana ..... Mar. 11
Mar. 23 Indiana ..... Mar. 11
Mar. 23 Elkhart, Ind. ..... Mar. 11
Mar. 24 Smithfield, N. C. ..... Mar. 11
Mar. 24 Holton, Kan. ..... Mar. 4
Mar. 24 North Dakota ..... Mar. 11
Mar. 24 Hastings, Minn. ..... Mar. 11
Mar. 25 Florida ..... Feb. 18
Mar. 25 Biloxi, Miss. ..... Mar. 11
Mar. 26 Hays, Kan. ..... Mar. 4
Mar. 26 Huntington, W. Va. ..... Mar. 11
Mar. 26 North Dakota ..... Mar. 11
Mar. 27 Hoxie, Kan. ..... Mar. 11
Mar. 29 Oskaloosa, Kan. ..... Mar. 4
Mar. 30 Ottawa, Kan. ..... Mar. 4
Mar. 31 Erie, Kan. ..... Mar. 4
Apr. 2 Iola, Kan. ..... Mar. 11
Apr. 5 Coatesville, Pa. ..... Mar. 11
Adv. Mar. 11.
Apr. 6 Winona, Miss. ..... Mar. 11
Apr. 6 Louisiana ..... Mar. 11
Apr. 8 Winfield, Kan. ..... Mar. 11
Apr. 12 Kentucky ..... Mar. 11
Apr. 12 Akron, O. ..... Mar. 11
Apr. 15 Birmingham, Ala. ..... Mar. 11
Apr. 20 Birmingham, Ala. ..... Mar. 11

See proposed advertising on page 134, Advertising Section

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

16-in. c. i. B&S water main laid with LEADITE joints, tested to 195 lbs. water pressure.

Pipe Joint Knowledge

LEADITE is recognized to be the best material for making joints in cast iron bell and spigot water mains by thousands of water works men thruout the world.

Water works men who keep a check on their systems and make water waste surveys know that their pipe lines laid with LEADITE are tight.

Their experience with LEADITE has proven to them that LEADITE joints improve with age, and that the joints do not corrode or rust.

They know that LEADITE has been successfully tested and used for over 30 years.

They know LEADITE will flow around a 60-in. pipe just as easily as it does around a 4-in. pipe; size does not make any difference. They know LEADITE fills every crevice of the joint.

They know LEADITE eliminates the expense and drudgery of caulking.

They know the simplicity, economy and efficiency with which LEADITE can be used.

Give LEADITE a fair trial and convince yourself of its merit and many advantages.

Join the LEADITE users.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking Material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Buildings—Commercial

Bids close — *See Eng. News-Record*

Mar. 12 Trenton, N. J. ..... Mar. 4
Mar. 13 Milwaukee, Wis. ..... Mar. 4
Mar. 15 Altoona, Pa. ..... Feb. 11
Mar. 15 Muncie, Ind. ..... Feb. 18
Mar. 15 Los Angeles, Calif. ..... Mar. 4
Mar. 15 Glen Ellyn, Ill. ..... Mar. 11
Mar. 15 Marquette, Mich. ..... Mar. 11
Mar. 15 Williamsport, Pa. ..... Mar. 4
Mar. 16 Phila., Pa. ..... Mar. 11
Mar. 16 Davenport, Ia. ..... Mar. 11
Mar. 18 Catonsville (br. Baltimore), Md. ..... Mar. 4
Mar. 18 Highland Park (Br. Detroit), Mich. ..... Mar. 11
Mar. 20 West Springfield (br. Springfield), Mass. ..... Mar. 4
Mar. 20 Fairfield, Ala. ..... Mar. 11
Mar. 22 Arapaho, Okla. ..... Mar. 11
Mar. 22 Sykesville, Md. ..... Mar. 11
Mar. 25 Anniston, Ala. ..... Mar. 4
Mar. 29 Chicago, Ill. ..... Mar. 11
Mar. 31 Mobile, Ala. ..... Mar. 11
Adv. Mar. 11.
Apr. 1 Gulfport, Miss. ..... Mar. 4
Apr. 1 Lakewood (br. Cleveland), O. ..... Feb. 11
Apr. 1 Moline, Ill. ..... Jan. 14
Apr. 1 Youngstown, O. ..... Dec. 31

Buildings—Industrial

Mar. 13 Phila., Pa. ..... Mar. 11
Mar. 15 New Orleans, La. ..... Mar. 4
Mar. 15 Des Moines, Ia. ..... Mar. 4
Mar. 15 Lankershim, Calif. ..... Feb. 25

Buildings—Educational, Religious

Mar. 13 Lakewood (Cleveland P. O.), O. ..... Feb. 25
Mar. 15 Lewistown, Pa. ..... Jan. 21
Mar. 15 Ypsilanti, Mich. ..... Mar. 4
Mar. 16 Chicago, Ill. ..... Mar. 4
Mar. 16 Wash., D. C. ..... Mar. 11
Mar. 17 Anderson, Ind. ..... Mar. 4
Mar. 17 Baltimore, Md. ..... Mar. 4
Mar. 17 Los Angeles, Calif. ..... Mar. 11
Mar. 19 Dayton, O. ..... Feb. 25
Mar. 22 East Cleveland (Cleveland P. O.), O. ..... Mar. 4
Mar. 23 Hillside, Ill. ..... Mar. 11
Mar. 23 Ferndale (Br. Detroit), Mich. ..... Mar. 11
Mar. 23 Florida ..... Mar. 11
Mar. 24 New Brunswick, N. J. ..... Mar. 11
Mar. 26 Nutley, N. J. (br. Newark). Mar. 11
Mar. 26 Cliffside Park (mail Cliffside), N. J. ..... Mar. 11
Mar. 29 Fowler, Ind. ..... Mar. 11
Apr. 14 Fordson (Detroit P. O.), Mich. ..... Mar. 4

Federal Government Work

Mar. 15 Remodeling—Mobile, Ala... Feb. 25
Mar. 15 Dam—Louisville, Ky. ..... Feb. 18
Adv. Feb. 18 to Mar. 11.
Mar. 15 Steel, etc.—Wash., D. C... Mar. 11
Mar. 16 Wicket Irons, etc.—Louisville, Ky. ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 16 Walks—Camp Custer (br. Battle Creek), Mich. ..... Mar. 4
Mar. 17 Radio Tower — Eureka, Calif. ..... Mar. 4
Mar. 17 Dredging—Toledo, O. ..... Feb. 18
Adv. Feb. 18 to Mar. 11.
Mar. 19 Remodeling — St. Augustine, Fla. ..... Mar. 11
Mar. 22 Remodeling — Lebanon, Pa. ..... Mar. 11
Mar. 22 Foundations—Dayton, O... Feb. 25
Adv. Feb. 25 to Mar. 11.
Mar. 23 Vestibule, etc. — Lima, O. ..... Mar. 11
Mar. 23 Deep Well—Northport, N. Y. ..... Mar. 11
Mar. 24 Vestibule, etc.—Joplin, Mo. Mar. 11
Mar. 24 Ash Handling Equipment — Great Lakes (br. Waukegan), Ill. ..... Mar. 4
Mar. 25 Storehouse—Baltimore, Md. ..... Mar. 11
Mar. 25 Roadway—Florence, Ala.. Mar. 4
Adv. Mar. 4 and 11.
Mar. 25 Ejector Station—Staten Island, N. Y. ..... Mar. 11
Adv. Mar. 11.
Mar. 26 Remodeling — Torrington, Conn. ..... Mar. 11
Adv. Mar. 11.
Mar. 27 Remodeling—Fort Wayne, Ind. ..... Mar. 4
Mar. 29 Gates—Denver, Colo. ..... Mar. 4
Mar. 29 Vestibule—Lorain, O. ..... Mar. 11
Mar. 31 Remodeling—Lynn, Mass... Mar. 11
Mar. 31 Barges—St. Louis, Mo. ..... Mar. 11
Adv. Mar. 11.
Apr. 1 Cruiser, etc.—Wash., D. C. Feb. 25
Apr. 12 Dredging — Hartford, Conn. ..... Mar. 11
Adv. Mar. 11.

Unclassified

Bids close — *See Eng. News-Record*

Mar. 15 Elimination Grade Crossing —Buffalo, N. Y. ..... Mar. 11
Mar. 16 Culverts—Primghar, Ia. ... Mar. 4
Mar. 16 Electrical Equipment and Breakwater—Chicago, Ill.. Mar. 11
Mar. 18 Lighting System—Gouverneur, N. Y. ..... Feb. 18
Mar. 23 Panels, Filters, etc.—Wellington, N. Z. ..... Jan. 21
Mar. 24 Fire Alarm System—Rochester, N. Y. ..... Mar. 4
Adv. Mar. 4 and 11.
Mar. 29 Lighting System—Elmhurst, Ill. ..... Mar. 11

Materials

Mar. 13 Filler, etc.—Kenosha, Wis.. Mar. 11
Mar. 15 Cable, etc.—Milwaukee, Wis. ..... Mar. 11
Mar. 15 Road Oil, etc.—Milwaukee, Wis. ..... Mar. 11
Mar. 15 Wire—Kenosha, Wis. ..... Mar. 11
Mar. 15 Paving Material—Phila., Pa. ..... Mar. 11
Mar. 15 Trap Rock, Gravel, etc. — Minneapolis, Minn. ..... Mar. 11
Mar. 15 Road Signs—Minnesota... Mar. 4
Mar. 16 Paints, etc.—Iowa ..... Mar. 4
Mar. 16 Road Material, etc.—Memphis, Tenn. ..... Mar. 11
Mar. 16 Creosoted Ties—Phila., Pa. Mar. 11
Mar. 16 Lumber, etc.—New York City, N. Y. ..... Mar. 11
Mar. 17 Portland Cement, etc.—Brooklyn, N. Y. ..... Mar. 11
Mar. 17 Paving Blocks—Baltimore, Md. ..... Mar. 11
Mar. 18 Road Oil—Minneapolis, Minn. ..... Mar. 11
Mar. 19 Rail, Timber, etc.—New York City, N. Y. ..... Mar. 11
Mar. 19 Lumber, Gravel, Stone, etc.—Indianapolis, Ind. ..... Mar. 11
Mar. 19 Cast Iron Pipe—Cleveland, O. ..... Mar. 11
Mar. 20 Road Oil—Sturgeon Bay, Wis. ..... Mar. 4
Mar. 22 Pipe—Montreal, Que. ..... Mar. 4
Mar. 23 Paving Blocks—Detroit, Mich. ..... Mar. 11
Apr. 6 Lumber—Jones, La. ..... Mar. 4

THESE reports are grouped under each class (water-works, sewers, each class (water-works, sewers, etc. etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Waterworks

Proposed Work

Mass., Amesbury—Plans additional water supply and filtration plant. $150,000 appropriated. Engineer not selected.

Mass., Falmouth — Plans 300,000 gal. standpipe, $32,000; pumping engine (Fall), $38,000; and 4- to 12-in. pipe lines $91,000, additional work $40,000. Richardson & Gay, 220 Devonshire St., Boston, consult. engrs.

Mass., North Adams — Plans water meters. $10,000 appropriated.

N. J., Paulsboro—Boro Council plans 2 pumping stations and new standpipe. $150,000. Engineer not selected.

Pa., Ebensburg — Plans filtration plant. $45,000. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.

Pa., Liberty—Plans complete distribution system, standpipe and supply. $40,000. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.

Pa., McKeesport — Making plans additional supply line from Monongahela intake. $250,000. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.

Pa., Port Vue (McKeesport P. O.)—Plans improving waterworks, incl. tank, pipe lines and appurtenances, etc. $40,000. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.

Pa., Saltsburg — Plans filtration plant. $25,000. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.

Pa., Tarentum — See "Buildings — Industrial."

Fla., Ft. Meade — Voted $35,000 bonds, extending mains in various streets. Noted Jan. 21.

Fla., Key West—Bd. Trustees Monroe Co., Water Supply Dist., C. D. Stearns, chn., wants proposition for engineers for securing fresh water supply for Key West and other Keys, either by constructing pipe line from Mainland or granting of franchise for supplying the water.

Fla., Perry — Election Mar. 16, $25,000 bonds extending waterworks. C. L. Brandow, mayor.

Fla., Pompano—Election Mar. 16, $100,000 bonds, waterworks. L. E. Raines, city clk.

Miss., Webb — Plans election $35,000 bonds, new waterworks. H. A. Mentz, Hammond, La., consult. engr.

O., Cleveland—See "Sewers."

O., Hamilton — Service Director, City Hall, in market 1 centrifugal water pump for booster station. $10,000.

Ill., Christopher — Takes bids in April, 4.25 mi. 4 in. c.i. mains, etc., in various streets. $36,800. C. B. Mautz, Benton, engr.

Ill., Harvard — Making plans rein.-con. storage reservoir, 60 ft. diam., 10½ ft. deep, rein.-con. slab cover. Mead & Seastone, Journal Bldg., Madison, engr.

Wis., Beloit—Beloit Water, Gas & Electric Co., A. Dobson, mgr., plans drilling well, 1,000 ft. deep and 2 m.g. capacity, for additional water supply, also 1,000 g.p.m. pump. $25,000. Engineer not selected.

Kan., Eldorado—Election Mar. 16, about $450,000 bonds, new dam across Willow Creek, pumps, pipe line filter plant improvements, etc. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs. Noted Jan. 7.

Kan., Girard — Plans water softening plant. To exceed $5,000.

Kan., Hillsboro—Election Mar. 16, $102,600 bonds, waterworks. F. E. Devlin, Bitting Bldg., Wichita, engr.

N. D., Crosby — Election Apr. 5, $35,000 bonds, waterworks. O. Woolfrey, city aud. Noted Feb. 25.

N. D., Mandan—Election Mar. 15, $165,000 bonds, improving waterworks, incl. filtration plant and extending mains, etc. Noted Jan. 28.

Mo., Chaffee — Election Apr. 6, $60,000 bonds, drilling artesian well, new electrically driven pumping unit, 4 and 6 in. c.i. mains, extension to sewerage system. F. R. Nohl, resident engr. C. E. Smith & Co., Ry. Exch. Bldg., St. Louis, consult. engr.

Mo., Norborne — Plans election $80,000 bonds, waterworks and sewerage system.

Mo., Seymour — Plans election $30,000 bonds, complete waterworks and distribution system.

Tex., Nacogdoches—Voted $50,000 bonds, waterworks improvements. Addressed W. I. Baker, Nacogdoches, mayor.

Tex., O'Donnell — Voted $27,500 bonds, complete waterworks. Devlin Eng. Co., Amarillo, engrs.

Tex., St. Jo—Made plans 5 mi. 4- to 8-in. mains, new deep well, 50,000 gal. tank on 100 ft. tower $55,000. Douglas & Davenport, c/o Ward Bldg., Wichita Falls, engrs.

Tex., Seagoville — Voted $30,000 bonds, complete waterworks. Municipal Eng. Co., 1107 Athletic Club Bldg., Dallas, engrs.

Okla., Achille—Making preliminary plans new waterworks. $20,000. J. G. Crossley, mayor. Engineer not selected.

Okla., Altus—Soon takes bids new water supply from Wichita Mountains at Lugert and main extensions. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., consult. engrs. Noted Nov. 26.

Okla., Antlers—Making preliminary plans settling basin and filter equipment. $17,500. C. E. Stephenson, mayor. Engineer not announced.

Okla., Blair — Made preliminary plans new waterworks, connecting with Altus supply. Election soon $65,000 bonds for same. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Collinsville — Election Mar. 11, $81,000 bonds, new pumps and power plant extensions, etc. Holway Eng. Co., Wright Bldg., Tulsa, engrs. Noted Dec. 10.

Okla., Eldorado — Making plans waterworks and paving various streets. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., consult. engrs.

Okla., Fairmont — Making preliminary plans new waterworks. $18,000. J. J. Gordon, mayor. Engineer not selected.

Okla., Salina—Voted $45,000 bonds, new waterworks. C. E. Lindsay, mayor. Engineer not announced.

Calif., Burlingame—Plans election $225,000 bonds, improving and extending water system.

See classified index on bids wanted on page 131

Double-Quick Concrete

Engineering News-Record Comments Editorially on Quick-Hardening Concrete

"Thus we have in 3 days a concrete workable and usable which is as strong as normal 28-day concrete," says an editorial in *Engineering News-Record,* February 18, p. 266, in commenting on the quick-hardening concrete made with standard *Universal* cement, the same quality *Universal* as regularly used.

The methods for obtaining this concrete are easily understood but to get best results must be applied with care, cautions *Engineering News-Record,* and adds that "the series of tests on which the Universal company is basing its campaign are well authenticated."

Detailed information on this time-saving concrete made with standard *Universal* cement gladly furnished on request to

Universal Portland Cement Co.

Chicago—Pittsburgh—Minneapolis—Duluth—Cleveland—New York

Concrete for Permanence

Waterworks (Continued)

Calif., Garden Grove — Voted $50,000 bonds, mains, etc. in various streets for Garden Grove Water Works Dist. 3. Noted Dec. 31.

Calif., Laguna Beach — Making plans deep wells and pumping plants in Santa Ana River basin, 12 mi. pipe line from Santa Ana River basin to district lands, one 1½ m.g. and three 100,000 gal. reservoirs. J. B. Lippincott, Petroleum Securities Bldg., Los Angeles, engr.

Calif., Monticeto—Monticeto Water Dist. plans election bonds to exceed $100,000, constructing Mono Dam.

Calif., Redlands—Plans election bonds to exceed $350,000, additional water facility improvements.

Ont., Oshawa—Plans electrically driven 2 stage pump at waterworks plant. $4,000. W. C. Smith, Municipal Bldg., engr.

Ont., Toronto—Plans 3,500 lin.ft. 20 in. c.i. mains between main on Boulevard Dr. and main on Pearson Ave. $55,467. R. C. Harris, City Hall, engr.

Sask., Eston—Canadian Natl. Ry., 230 St. James St., Montreal, Que., making surveys 13 mi. pipe line from Saskatchewin River to here. $250,000. C. S. Gzowski, Montreal, ch. constr. engr.

B. C., Chilliwack — Elk Creek Waterworks Co., Ltd., H. Ryall, pres., New Westminster, making plans storage dam and watermains in Dunville Creek, near here. $30,000. A. H. Turvey, engr.

Bids Desired

Mass., Holyoke — Mar. 19, by Water Comrs., 53,000 ft. 20 in. pipe for Ashley ponds line. P. J. Lucey, City Yard, engr.

N. Y., Long Island City—Mar. 12, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Denton Dr., 57th Rd., Anna and 113th Pls., Carhart, Herrick, Lotus and Wilton Aves., Locust, 32nd, 33rd, and 92nd Sts., here.

N. Y., New York — Mar. 12, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, transferring taps, rearranging connections, and setting additional valves and hydrants in Battery Park, Riverside Dr., River Rd., 5th, 9th, Payson, St. Nicholas, 7th and 12th Aves., Church, Dyckman, East, Sickles, West, East 57th and West 193rd Sts.

N. Y., St. George — Mar. 12, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bloomingdale Rd., Bronx and Johnson Pls., Burnside, Cedar, Geldner, Halpin, Hitchcock, Kissam, Lockman, Pelton, and Shady Side Aves., Atlantic, Brabant, and 3rd Sts., here.

Pa., Phila.—Mar. 16, by Dept. Pub. Wks., Bureau of Water, 16 and 24 in. pipe lines in Northeast Sect., Contr. 793; plumbing for Oak Lane Booster Sta., Contr. 808; hot water heating system, for Oak Lane Booster Sta., Contr. 809; also motor driven pumps for Shawmont and Roxborough Booster Pumping Stations, Contr. 810. G. H. Biles, dir.

Md., Baltimore—Mar. 17, by Bd. Awards, excavating trenches for Bureau Water Supply. V. B. Siems, City Hall, water engr.

D. C., Wash.—Mar. 26, at office Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., 150,000 gal. elevated steel tank, Contr. 60-W. R. B. Morse, Hyattsville, Md., ch. engr.; adv. E. N.-R. Mar. 11.

Fla., Perry — Mar. 16, by City Council, 18,000 lin.ft. 4 in. and 6 in. mains and 20,000 ft. 8 in. sewers in various streets. $25,000. A. B. Gross, Perry, engr. Noted Nov. 26.

Fla., Tampa—Mar. 30, by City Comn., City Hall, 20 in. pipe line across Hillsborough River from a point in Lozana Ave. at Kay St. to Riverside Dr. at the intersection of Adams St. N. S. Hill, Jr., 112 East 19th St., New York City, N. Y., consult. engr.; adv. E. N.-R. Mar. 11.

Miss., Long Beach — Mar. 23, by J. J. Bailey, mayor, and Bd. Aldermen, waterworks improvements. Swanson-McGraw, Inc., 426 Balter Bldg., New Orleans, La., consult. engrs.; adv. E. N.-R. Mar. 11.

Tenn., Knoxville — Mar. 15, by City, 38,400 ft. 16- to 30-in. trunk water mains under Tennessee River. F. W. Albert, engr.

O., Akron — Mar. 23, by A. S. Helpbringer, purch. agt., 825 tons Class "B," 190 tons Class "C," 15 tons Class "D" 4- to 16-in. c.i. pipe, and 50 tons 6- to 16-in. standard special castings. M. P. Tucker, Municipal Bldg., engr.

O., Cincinnati—Mar. 18, by Director Pub. Serv., 10,800 ft. 6- to 36-in. c.i. mains, etc. in Central Parkway from 8th St. and Eggleston Ave. to Findaly St. $60,000. C. O. Sherrill, City Hall, engr.

O., Cleveland—Mar. 17, by Bd. Comrs. Cuyahoga Co., 3,300 ft. 6 and 8 in. c.i. mains in Impvt. Dist. 158, also 18,000 ft. 8 and 12 in. c.i. mains in Impvt. Dist. 452. $75,000. F. Williams, Courthouse, engr.

O., Cleveland—Mar. 19, by City, mains in Rosewood Ave. S. E., Greenway Rd. N. W., East Blvd. S. E., Harvard Blvd., S. E., Brighton Ave. S. W., Mortimer Ave. S. W., Wayland Ave. S. W., Ira Ave. S. W., Leeila Ave. S. W., West 155th, 134th, 135th, 136th, 137th, 138th and 139th, also East 116th and 130th Sts. To exceed $15,000. R. Hoffman, City Hall, engr.

O., Dayton—Mar. 12, by Comrs. Montgomery Co., 5,455 ft. 4- to 8-in. c.i. mains, 5,400 ft. 0 ft. to 10 ft. trenching, etc., in Bway. Dist. $30,000. P. E. Borchers, U. B. Building, co. sanitary engr.

Mich., Detroit—Mar. 23, by Bd. Water Comrs., 6.683 mi. c.i. mains in various streets, Contr. 1926-4; 7.923 mi. Contr. 1926-5; and 7.727 mi. Contr. 1926-6. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr. Noted Nov. 12 and Dec. 10, 1925, Jan. 28 and Feb. 4.

Mich., Warren — Mar. 15, by F. Licht, village clk., water distribution system, incl. 60,000 gal. elevated steel tank, 20,100 lin.ft. 4- to 8-in. c.i. pipe, etc. G. H. Ruhling & Co., 16549 Woodward Ave., Detroit, engr.

Ill., Chicago—Mar. 15, by City, Room 406, City Hall, 3 in. velocity water meters at Meter Shops, 3148 South Sacramento Ave. A. A. Sprague, comr. Pub. Wks.

Wis., Kenosha—Mar. 15, by C. M. Osborn, city mgr., 6,910 ft. galvanized iron pipe for Park Dept. Water Supply System.

Ia., Des Moines — See "Contracts Awarded."

Minn., Fairmont — Mar. 15, by H. J. Waite, secy. Water & Light Comn., 1 each 1,000, 1,500 and 2,500 g.p.m. motor driven centrifugal pumps. C. Foster, 512 Sellwood Bldg., Duluth, engr.

Minn., St. Paul—Mar. 15, by G. J. Ries, aud. Ramsey Co., constructing and equiping brick pump house.

Minn., Waite Park — Mar. 29, by L. A. Cleall, village recdr., waterworks and distribution system, incl. cistern, wells, pump house, pumping machinery, tank and tower. $20,000. S. S. Chute Court House, St. Cloud, engr.

Tex., Abilene — Mar. 19, by Bd. City Comrs., water purification plant. O. K. Hobbs, city engr.; adv. E. N.-R. Mar. 11.

Wash., Puyallup — Mar. 18, by A. R. Shevland, secy. North Hill Water Co., pumping plant, incl. water collecting system, pump house, and pumps, distribution system, 8 mi. mains, reservoir, 30,000 gal. wood stave tank on 20 ft. timber tower, etc. Miller Eng. Co., Burke Bldg., Seattle, engrs.

Bids Received

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Mar. 5, mains in De Kalb, Forbell, Foster, Georgia, Levonia Aves., and Avenues S and T, etc., here, from Dragonetti Contr. Co., 1123 Clinton Ave., New York City, $11,470. Noted Feb. 25.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Mar. 5, mains in 22nd and 45th Drs., 22 Rd. Hopkins, Washington and 60th Aves., etc., here, from S. Gallucci & Sons, Inc., 38 Railroad Ave., Corona, $4,389. Noted Feb. 25.

N. Y., New York — P. J. Dooling, comr. Purchase, Municipal Bldg., Mar. 5, c.i. pipe and special castings, from J. Fox & Co., 233 Bway., $105,420; and wet connection sleeves and valves, from A. P. Smith Mfg. Co., 111 Norman St., East Orange, N. J., $43,275, all above for Dept. Water Supply, Gas & Electricity. Noted Feb. 25.

N. Y., Potsdam — Municipal Bd., C. E. Haywood, chn., Feb. 25, four 2,000,000 g.p.d. rein.-con. mechanical filters, clear well, etc. for waterworks, from Shephard Constr. Service, Inc., 423½ South Salina St., Syracuse, $80,000. Noted Feb. 4.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Mar. 3, small pipe lines, Contr. 796, from M. and J. B. McHugh, 892 North Markoe St., $95,685; electrical receiving equipment for Queen Lane Booster Station, Contr. 799, from Keystone State Piping & Equipment Co., 2849 Germantown Ave., $34,750.

Md., Baltimore—Bd. Awards Mar. 3, laying mains for Bureau Water Supply, from Ligon & Ligon, 2 East Lexington St., $59,-856. Noted Feb. 25.

Colo., Ft. Collins — Improving waterworks **(a)** wood and concrete pipe **(b)** wood and steel pipe **(c)** concrete pipe **(d)** steel pipe **(e)** c.i. pipe **(1)** Sect. B flow line **(2)** Sect. C flow line **(3)** distribution main, Sect. D **(4)** distributing reservoir **(5)** labor for distribution system, from A. K. MacKay, Sterling **(a1)** $351,711; from Wheelwright Constr. Co., 2476 Washington Ave., Odgen, Utah **(b1)** $340,016 **(b2)** $68,118; from Lock Joint Pipe Co., 1716 California St., Denver **(c1)** $354,030 **(a2)** $72,019 **(c2)** $75,337 **(c3)** $79,228; from Johnson & McElroyy, Ft. Collins **(d2)** $98,920; from J. Collier, Denver **(e3)** $111,675; from Babb & Reid, Denver **(4)** $69,946; from Palmquist & Crum, Denver **(5)** $29,743. Noted Feb. 4.

Wash., Seattle—Bd. Pub. Wks., Feb. 19, from Interstate Constr. Co., 1713 22nd Ave. S., mains in Melrose Ave. N., et al., 2,355 ft. 20 in. c.i. pipe $6.40 per ft., 1,215 ft. 30 in. $11.58, 20 ft. x 16 in. $3, etc. total $44,051. Engrs. est. $46,142.

Contracts Awarded

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, City Hall, installing electrical equipment for Torresdale Pumping Sta., Contr. 797, to Acme Machine Co., 316 North 7th St., $112,096; switchboard, wiring, etc. for Torresdale Pumping Sta., Contr. 798, to H. Mayer Co., 103 Walnut St., $71,178; and 50,000 lb. piglead, Contr. 794, to N. Tralter & Co., 36 North Front St., $4,710. Grand total $187,984. Noted Feb. 18.

Miss., Laurel—City, 7,500 ft. 8 in. and 17,000 ft. 6 in. c.i. pipe and fittings, to Amer. Cast Iron Pipe Co., Birmingham, Ala., $21,999; seven 8 in. and sixteen 6 in. valves, to Laurel Machine & Fdry. Co., Laurel, $4,430; 26 fire hydrants, and 2,000 lb. lead, etc., to Dixie Mill & Supply Co., 901 Tchoupitoulas St., New Orleans, La., $3,899. Grand total $30,328. Noted Feb. 4.

Miss., Moss Point—For 71,500 ft. 2- to 8-in. c.i. mains, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $41,-673; hydrants, valves and boxes, to Dixie Mill Supply Co., 901 Tchaupitaulas St., New Orleans, La., $5,589; pumping equipment, to Fairbanks-Morse & Co., 608-14 Magazine St., New Orleans, La., $20,750; deep well, to Gray Artesian Well Co., Pensacola, Fla., $5,200; tank on tower, to Chicago, Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $5,575; also concrete reservoir and laying mains, to C. J. Montgomery, Kaplin, La., $39,339. Grand total $118,126.

Ill., Chicago — City, 5,600 tons 30- to 48-in. c.i. pipe, to U. S. Pipe & Fdry. Co., 128 South Michigan Blvd., Chicago, $48.15.

Ill., Lockport — Well, pumping station, etc., to Nash-Dowdle Co., 77 West Washington St., Chicago, $41,823. Noted Jan. 21.

Ill., Mundelein — Bd. Local Impvts., to C. M. Barker, Maywood, 4,400 ft. 8 in. mains at $1.85 per ft., 15,300 ft. 6 in. mains $1.45, four 8 in. valves $47, twenty-six 6 in. valves $33, and 44 hydrants $90.

Ill., Phoenix—Waterworks improvements, incl. c.i. mains, etc., to E. K. Ladd, Peotone, $147,396. Noted Aug. 6.

Ia., Des Moines—City will extend various size mains in various parts of city, by day labor. $175,000.

Minn., Cloquet—J. A. Parks, city clk., 2 wells, to Layne-Bowler-Chicago Co., 37 West Van Buren St., Chicago, Ill., about $20,000. Noted Sept. 24.

Minn., Minneapolis — F. S. Gram, city purch. agt., five thousand ¾ in. water meters, to Natl. Meter Co., 1455 West Congress St., Chicago, Ill., at $9.50 each. Noted Feb. 11.

Minn., St. Paul — A. E. Eggert, city purch. agt., seventy-five 5 in. single steamer valves, compressor type fire hydrants, to Michigan Valve & Fdry. Co., Amer. Trust Bldg., Detroit, Mich., at $77.70 each; two thousand six hundred and forty 12 ft. lengths 6 in. c.i. pipe, to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., Minneapolis, $0.695 per ft. for mold cast pipe; and one thousand ¾ in. water meters, to Badger Meter Co., 30th and Meinecke Aves., Milwaukee, Wis., $7.45 each. Noted Feb. 4.

Kan., St. Francis — Waterworks extensions, incl. 100,000 gal. elliptical type tank, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $8,080.

Okla., Frederick — City, 1 m.g. rein.-con. circular reservoir and storm sewers in various streets, to Gallamore Constr. Co., Cushing, $46,566. Noted Feb. 25.

Colo., Ft. Collins—City, filter plant, to Spotts & Malcolm, Loveland, $191,022. Noted Feb. 4.

Sewers

Proposed Work

Mass., Marblehead — F. R. Ireson, chn. Sewer Com., making preliminary plans main trunk line sewerage system from Flying Point to Little Harbor. $300,000 appropriated. F. A. Barbour, 1120 Tremont Bldg., Boston, engr.

Columbus Dispatch Building, Columbus, Ohio.
Snyder-Babitt & Mathews, Architects
R. H. Evans & Co., Contractors
Dupont used exclusively

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BRIXMENT

Sewers (Continued)

Fla., Ft. Meade — Voted $65,000 bonds, sewers in various streets.

Fla., Pompano—Election Mar. 16, $100,000 bonds, sewers in various streets. L. E. Raines, city clk.

O., Akron — W. F. Peters, dir. Pub. Serv., takes bids in spring 15,000 ft. 8- to 48-in. vitr. clay trunk sewers in Riverside Dr. et al 2, $86,450; also 7,760 ft. 8- to 42-in. in Iuka Ave. et al, $43,750. J. E. Root, Municipal Bldg., engr.

O., Cleveland—Permanent Homes Land Co., c/o J. G. Engelman, 1227 Prospect Ave., takes bids in spring sewers and watermains in Lake Shore Blvd. $125,000. F. A. Pease Eng. Co., Marshall Bldg., engrs.

Wis., Janesville—H. Traxler, city mgr., making plans 18,000 ft. storm and 6,300 ft. sanitary sewers in various streets. C. V. Kerch, City Hall, engr.

Kan., Herington—Making plans sanitary sewers in various streets. To exceed $25,000. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

Neb., Shelton — Election soon $56,000 bonds, sewers in various streets.

Mo., Chaffee—See "Waterworks."

Mo., Norborne—See "Waterworks."

Tex., Beaumont — Making preliminary plans sewer improvements, mains, and probably disposal plant. $200,000. R. C. Black, city engr.

Tex., Grapevine—Election Mar. 10, $30,000 bonds, sewers in various streets. S. C. Yansey, city secy.

Tex., Nacogdoches—Voted $35,000 bonds, sewerage system. J. Thackwell, Lufkin, engr.

Tex., Wellington—Making plans sewerage system, probably disposal plant. $40,000 bonds voted. Hasie & Morrison, Memphis, consult. engrs.

Calif., Burbank — See "Streets and Roads."

Calif., San Francisco—Made plans rein.-con. sewer in Sect. "C"-Contr. 2, 43rd Ave. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Calif., Santa Cruz—Plans election $450,000 bonds, extending sewers in various streets. J. K. James, city engr.

Ont., Eastview—Town Council, R. Begin, clk., plans 9- to 24-in. vitr. clay sewers in 1st Ave., Marine Rd., Overton and Hanna Sts., etc. $25,000.

Ont., Toronto—East York Twp. making plans 630 ft. 12 in. vitr. tile sewer in Leroy Ave., $7,100; 1,260 ft. 12 and 15 in. in Greenwood Ave., $15,635; and 900 ft. in Main St., $8,983. G. R. Jack, 443 Sammon Ave., engr.

Bids Desired

N. Y., Rye — Apr. 7, by Bd. Village Trustees, Municipal Hall, constructing and extending existing separate sewerage system. J. A. Ehler, village engr.; adv. E. N.-R. Mar. 11.

Pa., Coatesville—Apr. 5, by City furnishing and laying 540 ft. 84 in. rein.-con. storm sewers. L. F. Hoffman, supt. Dept. Streets & Pub. Impvt.; adv. E. N.-R. Mar. 11.

Md., Baltimore — Mar. 17, by Bd. Awards, storm drains and sanitary sewers in Dists. H-9 and H-12, Contr. 93, 1,764 lin.ft. 27 in. and 30 in. rein.-con., drain, 1,107 lin.ft. 21 in. vitr. drain, 5,000 lin.ft. 6 in. underdrain, and 6,400 lin.ft. 8 in. vitr. sewer. M. J. Ruark, 311 Courtland St., sewerage engr.

N. C., Smithfield — See "Streets and Roads."

O., Akron—Mar. 18, by W. F. Peters, dir. Pub. Serv. 815 ft. 18 in. vitr. sewer in West Market St., $16,800; 1,140 ft. 8 in. in Spring and Stuber Sts., $4,400; 4,700 ft. 8- to 36-in. in Diagonal Rd. et al., $38,800; 3,750 ft. 8- to 30-in. in Lucille St. et al., $22,100; and 1,830 ft. 8- to 15-in. sanitary and storm sewer in Elinor and Norton Sts., $9,200. J. E. Root, Municipal Bldg., engr.

O., Cleveland—Mar. 17, by City, sewers in Carroll Ave., from West 25th to West 32nd Sts., Puritas Ave., culverts over Big Creek and Puritas Ave. and over branch Big Creek. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Cleveland—Mar. 10, by City, sewers in Kingsbury Run, Woodbury Ave. S. W., Octavia Rd. N. E., Victoria Rd. N. E., East 53rd, West 11th, 130th, 150th and 151st Sts. To exceed $50,000. R. Hoffman, City Hall, engr.

O., Dayton—Mar. 12, by Comrs. Montgomery Co., Court House, 3,965 ft. 8 in. vitr. sanitary sewer, etc., in Bway. Sewer Dist., $8,000; and 3,100 ft. 36 in. monolithic concrete sewer, etc., in Westwood Main Outlet Sewer Dist., $50,000. P. E. Borchers, U. B. Bldg., co. sanitary engr.

Mich., Detroit — Mar. 15, by Dept. Pub. Wks., 2,253 ft. brick or concrete Seven Mile Rd. Arm, Ashland Ave. Sewer in Seven Mile Rd. from Gratiot Ave. to point 166 ft. west of Schoenherr Rd., and Winchester Ave. Arm, Gallagher Ave. Sewer in Winchester Ave. from Gallagher to Ryan Aves. and from Gallagher to alley west of Mitchell Ave.; also rein.-con. Twelfth St. outlet dock, 12th St. and Detroit River. P. A. Fellows, City Hall, engr.

Wis., Milwaukee — Mar. 13, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., extending main sewer in Roosevelt Dr., 11,550 ft. 42 in. concrete pipe, 1,085 vertical ft. standard and 535 vertical ft. drop manholes.

Ark., Paris—Mar. 23, by Commissioners Sewer Dist. 2, Logan Co., 51,893 ft. 8- to 21-in. vitr. clay pipe, 130 manholes, 25 flush manholes, 195 ft. 9- to 21-in. c.i. pipe, concrete disposal plant, etc. Ford & MacCrea, 215 Gazette Bldg., Little Rock, engrs.

Bids Received

Md., Baltimore — Bd. Awards, Mar. 3, storm drains and sanitary sewers in Sewer Dists. G-2, G-13 and P-9, Storm Water Contrs. 89, from Adams & Marino Co., Old Town Natl. Bank Bldg., for Mayor and City Council. $128,610. Noted Feb. 25.

Ky., Ft. Thomas—City, Sect. 2 of Ft. Thomas Sewerage system, incl. 3,500 ft. 6- to 13-in. vitr. clay pipe, etc., from Bishop Watts Constr. Co., Huntington, W. Va., $72,471. Engrs. est. $80,000.

O., Cleveland—Sewers in Bradgate and Grimsley Aves., from Yahya Bros., 3196 West 25th St., $4,713, and $5,584 respectively; in Brookfield and Delora Aves., from E. Cesa, 2462 Baldwin Rd., $2,078 and $6,194 respectively; in Caine Ave., from A. Marra Co., Ulmer Bldg., $9,765; in Elseinna Ave., from A. J. Galvin, Hunkin-Conkey Bldg., $4,415; in Greenway Ave., from Kassouff & Co., 3182 West 25th St., $8,326; and in East 39th St., from Ciraci Constr. Co., 3414 East 123rd St., $7,988. Noted Feb. 18.

O., Cleveland—From Janaslak & Callow Co., 13606 Union Ave., 865 ft. 18 in. vitr. tile sewer in Bader Ave., $4,021; from Yahya Bros., 3196 West 25th St., in Germaine Ave. $2,556, Leeita Ave. $4,674, West 152nd St. $7,746, Walbrook Ave. $2,925, work involves 5,226 ft. 8- to 20-in. vitr. tile pipe; from Langenham Constr. Co., Marshall Bldg., 380 ft. 3 C brick and 335 ft. 2 C brick or rein.-con. in West 114th St., brick $14,253, from Randall & Cooper, Lorain, West 114th St., concrete $13,313.

Contracts Awarded

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, to A. Mattia, 310 North 65th St., branch sewers in Atlantic St. $15,718, Erdick St. $24,467, and Pickwick St. $3,846, to J. Moss, 1652 Wakeling St., Cheltenham St. $4,773, to McIntyre Constr. Co., 6811 Franklin St., Cottman St. $12,014, and 58th St. $4,491 to A. Bonitatibus, 300 West Mt. Pleasant St., Edgewood St. $5,666, to A. Parna & Son, 752 South 10th St., 45th St. $3,170, and Theodore St. $5,830, to A. DiSandro & Son, 3906 North 5th St., Markland St. $8,999, to Pastore & Co., 5903 Woodland Ave., Millick St. $6,228, to F. T. Buckins, 4050 Kensington Ave., N St. $24,895, to A. Frunzi, 536 High St., Silverwood St. $14,064, to DeMayo Bros., 817 South Hutchinson St., Spangler St. $9,069, to P. Pinciatti, 4103 Roosevelt Blvd., Vankirk St. $22,083, to O'Neill Co., 127 East Mermaid St., main sewer in Sanger St. $27,814, to C. G. Centrone, Bailey Bldg., Armingo Ave., $39,989, to Acchione & Caruso, 804 South 12th St., sewers and pumping station south of Pattison Ave. and west of Broad St. $66,262, south of Packer and west of Broad Sts. $37,305, to Ridpath-Potter Co., 22nd and Bainbridge Sts., 900 ft. churn borings, $2,610. Grand total $305,778. Noted Mar. 4.

Md., Baltimore—Bd. Awards, 500,000 lb. manhole, sewer inlet and similar iron castings to Bureau Sewers, to Amer. Brake Shoe & Fdry. Co., Fulton Station, $13,430.

D. C., Wash.—Dist. Comrs., sewers in 16th St. Heights, to W. A. Pate, Jr., Rockville, Md., $6,168; in T St., to W. H. Angle, 1737 H St. N. W., $2,810; and in various streets, to G. B. Mullin Co., 1296 Upshur St. N. W., $11,050. Grand total $20,028.

Fla., Miami — City Council, sanitary sewers in SR 64 and 65, and storm sewers in SR 69, to J. B. McCrary Co., Citizens Savings Bank Bldg., Atlanta, Ga. Noted Feb. 11.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 4,000 ft. 8- to 36-in. vitr. clay sewer in Snow Rd. Impvt. 53, to Gantose Constr. Co., 4816 Brookpark Rd., $49,739. Noted Mar. 4.

O., Cleveland—Bd. Comrs. Cuyahoga Co., sewer and water curb connections in South Canterbury Rd., to Hanna & Michael Constr. Co., Erie Bldg., $26,580.

O., Ravenna—Portage Co. sanitary sewer in Longmere allotment, to Lloyd Constr. Co., Xenia, $27,923. Engrs. est. $30,000.

Mich., Grand Rapids — Director Pub. Serv., City Hall, constructing Silver Creek Drain, Contr. K-4, to Fry & Kain, Bluffton, Ind., $214,916. Engrs. est. $257,339. Noted Jan. 28.

Ill., East St. Louis — To Keeley Bros. Constr. Co., 2100 State St., sewers in Market St., 700 ft. 10 in. $1.60 per ft., 720 ft. 12 in. $2, 1,140 ft. 15 in. $2.50, 4,440 ft. 18 in. $3.15, 1,300 ft. 21 in. $4.15, 32 combined manholes and catch basins $75 each, 450 sq.ft. concrete sidewalks replaced $0.30 per sq.ft., 45 sq.yd. brick on concrete paving $6, 20 sq.yd. 8 in. concrete paving $6, etc. Engrs. est. $30,900.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., rein.-con. sewer in Muskego Ave. between Canal and Park St., to Wenzel & Henoch Co., 498 27th St., $27,953.

Mo., St. Louis—For 2,830 ft. 8- to 51-in. vitr. clay, brick and segmental block sewers in North Baden Joint Sewer Dist. 1, to Riley Contg. Co., 110 North 7th St., $29,510. Engrs. est. $30,000. Noted July 23.

Mo., University (Ind. br. St. Louis) — Approximately 9,000 ft. 33 and 36 in. sewers in Sect. B River Des Peres Public Sanitary Sewer, to T. Prendergast Constr. Co., Merchants Laclede Bldg., St. Louis, $60,379. Engrs. est. $75,000. Noted Feb. 18.

Okla., Frederick—See "Waterworks."

Calif., Glendale—City Council improving Sewer Dist. 2, 67,121 ft. 8 and 10 in. vitr. and 126 ft. 8 and 10 in. encased vitr. pipe, etc., to A. Glebisch, Virgil Walk, Long Beach, $165,601. Noted Mar. 4.

Calif., Oakland—For 5,086 lin.ft. 10- to 24-in. vitr. sewer in Webster St. between 12th and 20th Sts., to W. J. Tobin, 527 Santa Ray Ave. Noted Mar. 4.

Calif., Richmond—A. C. Faris, city clk., to L. L. Page, 8th and Bissell Aves., sewers in Dist. 1 $15,666, Dist. 2 $19,388, and Dist. 3 $554. Noted Mar. 4.

Waste Disposal

Proposed Work

Fla., Ft. Myers—Election Mar. 23, $45,000 bonds, incinerator.

Bids Desired

O., Cleveland—Mar. 12, by City, A. K. Hoare, purch. agt., percolator for disposal plant, at Willow.

Bids Received

N. J., Deal—Boro Comrs., Mar. 3, constructing incinerator, from Ellison Co., Inc., 211 West 126th St., New York City, $14,907. Noted Nov. 12.

Md., Baltimore — Bd. Awards, altering and constructing 2 story, 30 x 50 ft., concrete and brick incinerator plant addition, plain foundation, Sisson and 28th Sts., from DeCou & Davis, 9 West Chase St., for Mayor and City Council. $101,990.

Calif., Long Beach—C. D. Windham, city mgr., incinerator, Spec. C-339, 75 tons for 8 hrs. capable of reducing same to odorless ash, material to be approximately 70% market refuse and 30% garbage, from Sherer & Son, 1865 East Anaheim St., $75,000; Spec. C-338, 1,500 cu.yd. capacity (150 tons) per 24 hr., and C-337, refuse incinerator plant (complete), from Nye Odorless Creamatory Co., Macon, Ga., $45,000 and $55,750 respectively. Noted Mar. 4.

Bridges

Proposed Work

La., New Orleans—Pub. Belt R.R. Comn., Municipal Bldg., making preliminary plans for Mississippi River Bridge 2 mi. above city limits. R. Modjeska, 121 East 38th St., New York City, engr. Noted Feb. 4.

O., Cincinnati — Hamilton Co. plans 2 span 78 ft. concrete girder bridge, Red Bank Rd. $25,000. E. A. Gast, Court House, engr.

Tenn., Savannah—State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Tennessee River, Wayne Co., near here. $500,000. C. N. Bass, comr.

Ill., Joliet—City and Will Co. soon take bids rein.-con. viaduct, on 4th Ave. $33,500. W. H. Smith, Court House, co. highway supt.

Wis., Madison — W. Winckler, city clk., plans bridge over Chicago & Northern R.R. tracks, on Pond St. $25,000. Engineer not selected.

Wis., Muscoda—Grant Co. (Lancaster), plans 1,000 ft. single leaf bascule type bridge with bascule approach span, etc., over Wisconsin River, here. $180,000. C. H. Kirch, State Capitol, Madison, engr. Noted Mar. 19, 1925.

INDUSTRIAL

SHOVEL CRANE DRAGLINE

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MASTERPIECE

THIS INDUSTRIAL crawling tractor crane, shovel and dragline is producing 50-man-power results in handling the heavy loads of industry. It is cutting deep into the high costs of manual material-handling and recovering a buried treasure of non-productive dollars. The type DC is a masterpiece of design and construction. Its outstanding superiority is guaranteed by America's pioneer crane builders. Over fifty years of untarnished business integrity and highly specialized skill and experience form its background.

This INDUSTRIAL has a greater field of usefulness in industry than any other material-handling equipment on the market today. With but one basic machine, it is a full-fledged locomotive crane, power shovel and dragline and vastly superior to any other equipment designed specifically for only one of these three services. The source of power is optional—it may be steam with a high-pressure boiler, gasoline with a powerful engine, electric from plug-in connection, full Diesel or semi-Diesel.

As a crane with clamshell bucket, lifting magnet, hook and block, wood grapple or pile driver leaders, this DC will supplant manual effort at tremendous savings. As a power shovel or dragline, it has no equal.

These three machines are offered for but little more than the price of any one of other make. Think of the vast saving in capital investment!

Write today for your copy of Book 120-A.

INDUSTRIAL WORKS

Bay City, Michigan

MAGNET GRAPPLE CLAMSHELL PILE DRIVER

Bridges (Continued)

Tex., Abilene—See "Streets and Roads."

Tex., Benjamin—Knox Co. election Mar. 27, $70,000 bonds concrete and steel bridge across Brazos River. N. S. Kilgore, judge.

Tex., Giddings—See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 1 span 86 ft. steel truss bridge on concrete piers at Lima, Seminole Co., $32,000; and 1 span 120 ft. steel truss bridge on concrete piers at Lovell, Logan Co., $42,000. J. M. Page, highway engr.

Okla., Chandler — Voted $25,000 bonds viaduct. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., consult. engrs. Noted Nov. 5.

Okla., Wetumka — Making preliminary plans 1 mi. outfall sewers and disposal plant. $30,000. R. Grace, Holdenville, engr.

California—See "Streets and Roads."

Bids Desired

N. J., Camden — Mar. 29, by State Hy. Comn., Trenton, double leaf deck girder simple trunnion bascule bridge over Cooper River, on Entrance Rd. to Delaware River Bridge, here. A. L. Grover, secy.; adv. E. N.-R. Mar. 11.

Louisiana—Mar. 23, by State Hy. Dept., Baton Rouge, Sabine River Bridge, incl. 75 ft. pony truss span and part 300 ft. steel swing span, etc., on Federal Aid Project 336, Sect. B, W. B. Robert, Reymond Bldg., Baton Rouge, highway engr. See bridges under Texas.

Kentucky—Apr. 12, by State Hy. Dept., Frankfort, 100 ft. steel span superstructure with 20 ft. roadway over Bayou de Chien, on Clinton-Fulton Rd., Federal Aid Project 131-D, Hickman Co.; and three 40 ft. span T-beam concrete bridges over Louisville & Nashville R.R. tracks, at Barnsley, Federal Aid Project 122-C, Hopkins Co. E. N. Todd, highway engr.

Ohio—Mar. 19, by Dept. Hys. and Pub. Wks., Columbus, concrete bridge on Sect. "I" Athens-McArthur Rd., 16 ft., Athens Co., $5,641; rein.-con. bridge over Mill Creek, on Sect. "U" Ohio River Rd., $22,796, rein.-con. bridge Sect. "H" same road $3,941, also bridges and culverts Sect. "H" same road $5,282, all foregoing in Washington Co. G. F. Schlesinger, highway comr.

Minnesota—See "Streets and Roads."

Kan., Hoxie—See "Streets and Roads."

Kan., Russell Springs—See "Streets and Roads.

Kan., Winfield—See "Streets and Roads."

Missouri—Mar. 19, by State Hy. Dept., Jefferson City, three 80 ft. steel truss spans, etc., over north fork Spring Creek, Barton Co.; two 10 ft. and two 12 ft. rein.-con. slab spans, etc., over stream, one 20 ft. rein.-con. slab span, etc., over south fork Deer Creek, one 30 ft. rein.-con. slab span, etc., over north fork Deer Creek, one 40 ft. rein.-con. deck girder span, etc., over Mackofish Branch, and one 60 ft. steel truss span, etc., over Mormon Fork, all in Bates Co.; one 20 ft. rein.-con. slab span, etc., over Smith Branch, one 24 ft., and two 12 ft. rein.-con. slab spans, etc., over McKinney Branch, also one 45 ft. rein.-con. deck girder span, etc., over Richland Creek, all in Callaway Co.; three 24 ft. rein.-con. slab spans, etc., over Green Valley, also one 160 ft. and two 80 ft. steel truss spans, etc., over James River, both in Christian Co.; two 80 ft. steel truss spans and two 30 ft. rein.-con. deck girder spans, etc., over Petite Saline Creek, both in Cooper Co.; two 45 ft. rein.-con. deck girder spans, etc., over Wild Cat Creek, Douglas Co.; three 100 ft. arch span open spandrel bridge over Soc River, Greene Co.; two 10 ft. rein.-con. slab spans, etc., over Kaolin Branch, Iron Co.; one 80 ft. steel truss span, etc., over Black Water River, and one 80 ft. steel truss and four 35 ft. I-beam spans, etc., over Black Water D. D., all in Johnson Co.; two 20 ft. rein.-con. slab and one 40 ft. rein.-con. deck girder spans, etc., over stream, Lewis Co.; two 12 ft. rein.-con. slab and two 30 ft. rein.-con. deck girder spans, etc., over stream, and one 30 ft. rein.-con. deck girder span, etc., over Wollard Branch, all in Polk Co.; also three 30 ft. rein.-con. deck girder spans, etc., over Beeler Creek, Texas Co. B. H. Piepmeier, ch. engr. Noted Dec. 31.

Mo., St. Louis—Apr. 6, by Bd. Pub. Serv., 208 City Hall, constructing nine 42 ft. rein.-con. span viaduct, 70 ft. to carry Kingshighway Blvd. over Terminal Railroad Belt line in Penrose Park. $196,400. L. R. Bowen, 301 City Hall, engr. Noted Dec. 31.

Texas — Mar. 23, by State Hy. Dept., Austin, Sabine River Bridge, incl. 75 ft. pony truss span and part 300 ft. steel swing span, etc. Federal Aid Project 336 Sect. A, near Orange. H. Moseley, highway engr. See bridges under Louisiana.

Tex., Abilene—See "Streets and Roads."

Tex., Dallas—See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Texas—See "Streets and Roads."

Tex., San Antonio—Mar. 29, by A. McCloskey, judge Bexar Co., and A. C. Pancoast, engr., 102 Turner St., rein.-con. and steel bridges in Precincts 1, 2, 3 and 4. $200,000.

Tex., Sweetwater — See "Streets and Roads."

Tex., Weatherford — See "Streets and Roads."

Oklahoma—Mar. 16, by State Hy. Dept., Oklahoma City, 2 span 130 ft. steel truss bridge on concrete piers at Ninnekah, Grady Co., 119.7 tons steel truss, 38.8 tons reinforcing, 3,200 ft. wooden piling, etc., $25,000; and 2 span 80 ft. rein.-con. trestle bridge on concrete piers at Vici, Dewey Co., 17.78 tons I-beam steel, 8.86 tons rein.-forcing, 7,900 ft. wooden piling, etc., $25,000. J. M. Page, highway engr.

Okla., Walters—Mar. 16, by State Hy. Dept., Oklahoma City, 4 span 126 ft., rein.-con. trestle, 28.75 tons I-beam steel, 21.88 tons reinforcing, 3,800 ft. wooden piling, etc., Cotton Co., here. $31,000. J. M. Page, highway engr.

Oklahoma—See "Streets and Roads."

California—Mar. 22, by State Hy. Comn., Forum Bldg., Sacramento, widening present bridge by moving four 100 ft. existing steel spans off center line of roadway and constructing 4 similar spans at side, etc. across Rio Honda near city of Los Angeles, Los Angeles Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Ontario—See "Streets and Roads."

Bids Received

Wis., Racine—H. A. Nelson, comr. Pub. Wks., Feb. 20, 270 ft. steel girder bridge and concrete approaches, etc., at 6th St., from E. E. Gillen Co., 288 East Water St., Milwaukee, $55,875. Noted Feb. 11.

Contracts Awarded

Pennsylvania—State Hy. Dept., Harrisburg, one 78 ft. through plate girder, one 44 ft. and seven 37.5 ft. rein.-con. span bridge on Route 102, Strippen Twp., Tioga Co., to A. W. Hinaman, Williamsport, $94,980. Noted Jan. 14 under "Streets and Roads."

Pennsylvania—State Hy. Dept., Harrisburg, 435 ft. rein.-con. and steel viaduct over Sandy Creek, on Route 233, Victory Twp., Venango Co., to J. A. Crawford, Blossburg, $88,397. Noted Mar. 4.

Pa., Phila.—Delaware River Bridge Joint Comn., Widener Bldg., G. Pinchot, chn., miscellaneous metal work for bridge over Delaware River connecting cities of Phila. and Camden, N. J., Contr. 24, to Ford & Kendig Co., 1428 Callowhill St., $622,000; electrical equipment, Contr. 25, to W. Pangborne & Co., 1927 West Montgomery St., $209,626; wrapping cables, Contr. 26, to Keystone State Corp., Franklin Bldg., $139,000; and excavation of excess material, to Richard Kelley Co., Phila., $15,300. Grand total $986,926. Noted Feb. 18.

Ohio — Dept. Highway & Pub. Wks., Columbus, steel bridge and concrete abutments on Sect. "B" Carrolton-New Philadelphia Rd., Carroll Co., to Urban Bros., Massillon, $12,474; 64 ft. span bridge plate girder encased in concrete Sect. "F" National Rd., Clark Co., to Standard Eng. Co., Toledo, $21,181; 100 ft. span bridge plate girder encased in concrete over Buck Creek, Sect. "N" also improving and widening bridge Sect. "H" same road, to Reedy Bros., Warren, $42,900 and $3,706 respectively; 86 ft. span concrete arch bridge Sect. "C" Kenton-Wapakoneta Rd., Hardin Co., to Anstine & Carey, Kenton, $16,858; removing present steel bridge and constructing concrete culvert Sect. "K" Muskingum Rd., Washington Co., to H. Parrin, Beverly, $11,232. Grand total $108,351. Noted Mar. 4.

Ill., Chicago—City, substructure for 210 ft. span double leaf trunnion bascule bridge, 80 ft. over Chicago River, at North La Salle St., to Central Dredging Co., 53 West Jackson Blvd., $649,583. Noted Dec. 18, 1924.

Ark., Siloam Springs—See "Streets and Roads."

Tex., Austin—See "Streets and Roads."

Railways

Proposed Work

Massachusetts—Boston & Maine R.R., F. C. Shepherd, asst. ch. engr., North Sta., Boston, plans 2½ mi. classification yard and freight terminal, in Lowell Junction. $2,500,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. Y., Buffalo — Bureau Waterways & Canals, Dept. Pub. Wks., Capitol, Albany, plans rock and earth dredging and cleaning entire Erie Basin Barge Canal Terminal, foot of Genesee St., here. $350,000. T. F. Farrell, comr.

Bids Desired

New York—Mar. 18, by T. F. Farrell, comr. Canals & Waterways, 55 Lancaster St., Albany, repairing Glens Falls feeder, Contr. M-13, $30,556; excavating canal channel, etc., at various locations in Hudson River from Waterford to Whitehall, Contr. M-14 $141,000, canal channel from Lock 21 to deep water in Oneida Lake, Contr. M-17 $104,800, and canal channel and adjacent thereto between Pendleton and Martinsville, Niagara and Erie Counties, Contr. M-18 $49,600; adv. E. N.-R. Mar. 11.

New York — Apr. 8, by T. F. Farrell, comr. Canals & Waterways, Dept. Pub. Wks., 55 Lancaster St., Albany, excavating Erie Canal channel in Mohawk River from Vischar Ferry to Lock 14, Contr. 234; and same channel from Indian Castle Creek to Herkimer-Oneida Co. line, Contr. 331; adv. E. N.-R. Mar. 11.

Md., Baltimore—See "Waterworks."

La., Shreveport—Mar. 26, by Bd. Comrs. Caddo Levee Dist., 551,000 cu.yd. excav. and clearing 17½ mi., etc., Kelly Bayou from Arkansas line to Black Bayou; also 3,300 ft. bank protection, White Hall Bend, in Red River 34 mi. below here. Bd. State Engineers, 213 New Courthouse Bldg., New Orleans, engrs. This corrects report in Mar. 4 issue.

Wis., Milwaukee—Mar. 17, by J. Spartz, Sr., secy. Milwaukee Co. Farm Drainage Bd., 1422 1st Natl. Bank Bldg., 32,000 cu.yd. Farm Drain 8, and 28,500 cu.yd. Farm Drain 15. To exceed $25,000. H. C. Webster, 217 West Water St., engr.

Nebraska—Mar. 20, by Peterson & De Voe, attys., Bankers Life Bldg., Lincoln, clearing, grubbing, grading, etc., 78,500 cu. yd. between Waverly and Havelock, for Lincoln Sanitary Dist., Lancaster Co. (Lincoln). $25,000. Scott & Scott, Bankers Life Bldg., Lincoln, engrs.

Neb., Schuyler—Mar. 18, by H. Kasal, et al, Court House, constructing Kasal D. D., Colfax Co., approximately 118,333 cu.yd. excav. J. E. Severyn, co. clk.

Tex., Orange—Mar. 15, by J. E. Johnson, engr., Orange, dredging channel for ferry crossing of Neches River and Ship Channel on Orange and Port Arthur Rd., incl. 20,000 yd. excav., here, for Orange Co. (Orange) and Jefferson Co. (Beaumont). $25,000.

Calif., Richvale — Trustees D. D. 100 Butte Co. taking bids repairing and enlarging 3 mi. ditches from 3-4 ft. bottom and deepening 1 ft., 3½ mi. cleaning. F. S. Robinson, Chico, engr.

British Columbia—Mar. 19, by Secretary Dept. Pub. Wks., Ottawa, Ont., dredging at False Creek, here. $40,000. A. S. Cameron, Ottawa, Ont., engr.

Bids Received

New York—Salt Water Bays Comn., R. G. Finch, chn., Journal Bldg., Plaza, Albany, Mar. 3, timber bulkheads along north bank Quoque Canal and at Quoque Bridge, and for placing riprap stone at tide gates on Shinnecock Canal, Suffolk Co., from Gaston Bishop, South Rd., West Hampton. Noted Feb. 18.

Contracts Awarded

N. J., Newark—T. L. Raymond, dir. Pub. Affairs, City Hall, approximately 150,000 cu.yd. dry fill behind new docks at Port Newark, and constructing 2 docks on Passaic River, to Linde & Griffith, 4th Ave., $117,000 and $33,457 respectively; 5,000 lin. ft. wash borings at Port Newark Terminal, to Phillips & Worthington, 90 West St., New York City, $5,340. Noted Jan. 14.

Calif., San Francisco—State Bd. Harbor Comrs., Ferry Bldg., 50,000 cu.yd. fill at outer end of Pier 48, to Healy-Tibbitts Constr. Co., 64 Pine St., $0.67 per cu.yd. Noted Feb. 11.

Nichols Concrete Pipe

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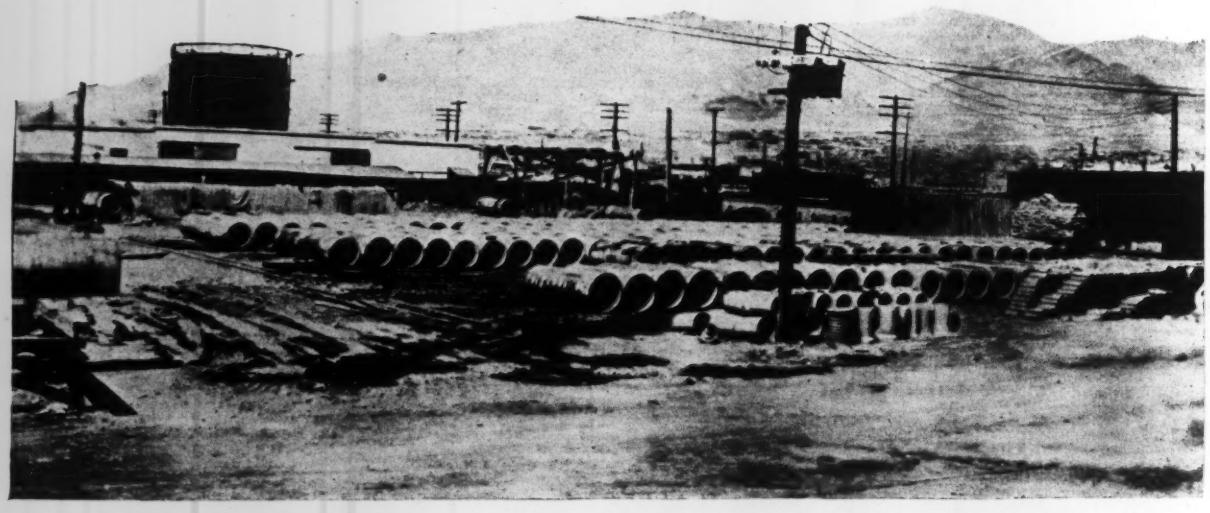

Streets and Roads

Proposed Work

Mass., Amesbury—Plans concrete paving 1½ mi. Main St. $75,000.

Mass., Amherst—Plans cement sidewalks on Boltwood Ave., Pleasant, Amity and Dickinson Sts.; also bituminous macadam paving ½ mi. Boltwood and College Aves., Spring and South Pleasant Sts. $25,000.

Mass., Barnstable — Plans improving roads. $100,000.

New Jersey—Cape May Co. (Cape May) plans improving 2 mi. road from Ocean City to Somers Point. $50,000. R. F. Smith, Marmora, engr.

Pennsylvania — State Hy. Dept., Harrisburg, plans concrete paving 8,000 ft. Portland-Mount Bethel Rd., Northampton Co. W. Handwork, Harrisburg, engr.

Pa., Chester—Parkstone Realty Co., c/o A. Leiberman, 1211 South 15th St., Phila., making plans grading, paving, etc. in residential district, here. Albright & Mebus, 1502 Locust St., Phila., engrs.

North Carolina—State Hy. Comn., Raleigh, making plans clearing, grading, etc., 10.8 mi. Project 869, Polk Co., $60,000; oil surfacing 11.6 mi. Project 587, Randolph Co., $29,000, and 16.72 mi. Project 586, Randolph Co., $41,800. C. M. Upham, Raleigh, engr.

N. C., Asheville—Plans to issue $150,000 bonds, improving various streets. J. H. Cathey, mayor.

N. C., Durham—City Council takes bids about Apr. 1, hard paving various streets. $1,000,000. R. W. Rigsby, city mgr.

N. C., Bladenboro—Plans paving Main St. $30,000.

N. C., Lillington — Harnett Co. Road Comn., plans constructing 15 mi. road from Lillington to Cumberland Co. line. $75,000.

Ga., Dawson—Terrill Co. voted $300,000 bonds, constructing roads.

Ga., Tifton—Voted $70,000 bonds, paving various streets. Noted Jan. 21.

Ga., Perry—Houston Co. election Mar. 10, $200,000 bonds for roads.

Fla., De Funiak Springs — Walton Co. election Mar. 30, $1,000,000 bonds, for roads.

Fla., Perry — Election Mar. 16, $75,000 bonds, improving various streets.

Fla., Starke—Bradford Co. election Mar. 19, $450,000 bonds, improving 130 mi. roads.

Fla., Pompano—Election Mar. 16, $550,000 bonds, constructing streets and sidewalks. L. E. Raines, city clk.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 8 mi. Martin-Sharon Rd., State Road 5, Weakley Co. C. N. Bass, comr.

Tenn., Clarksville—Plans paving various streets. $75,000.

Tenn., South Pittsburg—Defeated $70,000 bonds, paving and sewers in various streets. Noted Jan. 28.

O., Cleveland—Permanent Homes Land Co., c/o J. G. Engelman, 1227 Prospect Ave., takes bids in spring grading, sidewalks and paving Lake Shore Blvd. $75,000. F. A. Pease Eng. Co., Marshall Bldg., engrs.

O., Crooksville—Perry Co. making plans curbing, grading and asphalt or brick paving Main St. from Zanesville and Western R.R. tracks to bridge, 32 ft. $28,000. J. Meenan, Crooksville, engr.

O., Dayton — Plans asphalt on old concrete paving Ludlow St. from 3rd to Washington Sts.; rein.-con., vibrolithic concrete or asphalt on concrete paving Overlook St. from Huffman to Springfield Sts.; rein.-con. paving Lind Vista St. from Fountain to Marathon Sts., $110,000. J. F. Hale, Dayton, city engr.

O., Medina—Comrs. Medina Co. plan improving I. C. H. 553 Cleveland-Rittman Rd. from Akron-Wooster Rd. to Cleveland. $250,000.

Ill., Alton—Takes bids in March or April grading, curbing and paving Belle St. $40,795; also Adams Court Sewer 1, 1,835 ft. 10 in. and 800 ft. 6 in. vitr. clay pipe, $4,919, and Adams Court Sewer 2, 393 ft. 10 in. and 160 ft. 6 in. vitr. clay pipe, $846. J. E. Schwaab, City Hall, engr. Noted Feb. 25.

Ill., Bridgeport — Making preliminary plans grading and rein.-con. paving, etc., various streets. $25,000. R. J. Benefiel, Court House, Lawrenceville, engr.

Ill., Carlinville—Macoupin Co. plans 20 to 30 car loads road oil on various roads. $20,000. D. T. Alford, supt. highways.

Ill., East St. Louis—Making preliminary plans grading, curbing and 8 in. concrete paving, etc. 19,060 sq.yd. Winstanley and 11th Sts. $89,400. W. McK. Brown, City Hall, engr.

Ill., Lawrenceville — E. Ashbaugh, city clk., takes bids probably in April, grading and rein.-con. paving 16,000 sq.yd. 15th St. R. J. Benefiel, Court House, engr.

Ill., Mt. Sterling—Plans 5 or 6 car loads road oil on various streets. W. O. Grove, Mt. Sterling, supt. highways.

Ill., Urbana—Champaign Co. plans grading and paving 4 to 6 mi. various roads, 18 ft. $150,000. R. F. Fisher, Court House, engr.

Wisconsin — State Hy. Dept., Madison, plans gravel surfacing, etc., 6 mi. Clam Lake-Glidden Rd., S. T. H. 77, and 0.25 mi. Deer Creek Fill Rd., S. T. H. 110, both in Ashland Co., $31,015 funds available; 1.91 mi. Bloomer-Colfax Rd., S. T. H. 40, Chippewa Co., $8,000; 9.61 mi. Greenwood-Withee Rd., S. T. H. 72, Clark Co., $25,000; 1.5 mi. Merrimac Ferry-Okee Rd., S. T. H. 113, $3,000, 2 mi. Lodi-Arlington Rd., S. T. H. 60, $10,000, 4 mi. Columbus-Wautoma Rd., S. T. H. 73, $20,000, 1.25 mi. Columbus-Cambria Rd., S. T. H. 141, $4,000, 4 mi. Arlington-Columbus Rd., S. T. H. 60, $15,000, and 22 mi. S. T. H. 29 and 10, $22,912, all foregoing in Columbia Co.; Horicon-West Bend Rd., S. T. H. 68, $20,000; 2 mi. Columbus-Randolph Rd., S. T. H. 73, $8,451, and 4 mi. Columbus-Hustisford Rd., S. T. H. 60, $40,000, both Dodge Co.; 2.27 mi. Eau Claire-Eleva Rd., S. T. H. 93, $14,963, 0.32 mi. Eau Claire-Fall Creek Rd., S. T. H. 12, $20,000, 1.21 mi. Augusta-Fairchild Rd., S. T. H. 12, $18,000, and 0.58 mi. same road, $8,000, all foregoing in Eau Claire Co.; 2.5 mi. S. T. H. 14 and 32, Forest Co., $8,000; 7.65 mi. New Lisbon-West Co. Line Rd., S. T. H. 12 and 29, Juneau Co., $65,000; Luxenburg-Rio Creek Rd., S. T. H. 54, Kewaunee Co., $29,126; 4 to 5 mi. Merrill-West Co. line Rd., S. T. H. 64, Lincoln Co., $41,989; 6.3 mi. Hustler-Sparta Rd., S. T. H. 12 and 29, Monroe Co., $105,000; Breed-Gillett Rd., S. T. H. 32, Oconto Co., $9,644; Stiles Junction-Lena Rd., S. T. H. 57, Oconto Co., $10,000; approximately 1 mi. Tomahawk Lake-North Rd., S. T. H. 47, $14,172; 4.87 mi. Maiden Rock-Stockholm Rd., S. T. H. 35, Pepin Co., $25,995; 1.91 mi. same road, $30,000; 2.8 mi. Martell-Spring Valley Rd., S. T. H. 116, $12,000, 2.2 mi. Ellsworth-Plum City Rd., S. T. H. 18, $9,000, and 1 mi. Elmwood-Downsville Rd., S. T. H. 51, $8,000, all foregoing in Pierce Co.; 1 mi. St. Croix Falls-Centuria Rd., S. T. H. 35, $8,000, and 4 mi. Luck-Loraine Rd., $14,547, both in Polk Co.; 3 mi. S. T. H. 13, Price Co., $21,989; 1.55 mi. Somerset-New Richmond Rd., S. T. H. 64, $6,000, and 2.57 mi. Osceola-Somerset Rd., $9,500, both in St. Croix Co.; 4 mi. Delton-Reedsburg Rd., S. T. H. 23, Sauk Co., $34,932; Plymouth-Kiel Rd., S. T. H. 57, Sheboygan Co., $91,135; 1.05 mi. Thorp-Gilman Rd., S. T. H. 73, $20,000, 1.05 mi. Jump River-Ingram Rd., S. T. H. 73, $6,000, and 0.93 mi. Gilman-Medford Rd., S. T. H. 64, $10,000, all foregoing in Taylor Co.; also 3 mi. Eagle River-Conover Rd., S. T. H. 26, Vilas Co., $21,472. J. T. Donaghey, highway engr.

Wis., La Crosse—W. J. Fries, secy. Bd. Pub. Wks., rejected bids Feb. 10, improving various streets, 16,639 sq.yd. various types paving, 10,794 ft. concrete curbing and guttering, 1,997 sq.yd. pavement in car tracks, etc. C. C. Congdon, City Hall, engr. Will readvertise. Noted Mar. 4.

Wis., Madison—Election Apr. 6, $609,000 bonds, extending University Ave., to Capitol Square. E. E. Parker, City Hall, engr.

Ia., Cedar Rapids — Takes bids about Apr. 1, grading, curbing and tarvia macadam on asphaltic concrete repaving 24,300 sq.yd. Park Courts, Ridgewood Terrace, 3rd, 17th, 18th, 19th and Blake Aves.; 1,440 sq.yd. Hilcrest Dr.; and 4,426 sq.yd. 5th and 21st Aves. J. L. Storey, city clk. Noted Dec. 31.

Ia., Tipton — Cedar Co. takes bids in March or April, improving Primary Road 74 from Tipton to Scott Co. line, 165,766 cu. yd. excav., 10,110 ft. diam. tile, 18,945 ft. guard rail, etc. R. P. Zimmerling, Tipton, engr.

Minn., Caledonia — Making plans paving approximately 12 blocks various streets. $50,000. W. S. Woods, Batavian Bank Bldg., La Crosse, Wis., engr.

Minn., St. Paul—Plans paving St. Clair St. between Osceola and Snelling Ave., $139,000; and Fairchild Ave. between Wabasha and South Robert Sts., $29,486. G. M. Shepard, city engr.

Kan., Kingman—Making plans paving 24 blocks various streets. C. A. Haskins, 822 Finance Bldg., Kansas City, Mo., engrs.

Mo., Bucklin—Making plans improving various streets. To exceed $25,000. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. To exceed $25,000.

Mo., California — Plans paving various streets. To exceed $25,000.

Mo., Chaffee—Takes bids in May, grading, curbing and concrete paving various streets. To exceed $25,000. F. R. Nohl, resident engr. C. E. Smith & Co., Ry. Exch. Bldg., St. Louis, consult. engrs. Noted Oct. 29.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids shallow granite block paving 1,340 sq.yd. Arlington St., $13,700; concrete paving 720 sq.yd. Wilcox St., $5,800, and 1,825 sq.yd. Harney St., $12,450; brick paving 1,155 sq.yd. Newstead St., $7,650; rein.-con. paving 760 sq.yd. Bay St., $3,880, and 2,650 sq.yd. Kansas St., $16,600; asphaltic concrete paving 775 sq.yd. Hoffman St., $4,990, 1,255 sq.yd. Frieda St., $8,470, 1,865 sq.yd. Nicholson St., $11,800, 1,940 sq.yd. 37th St., $11,600, 1,085 sq.yd. Art Hill Pl., $9,600, and 1,155 sq.yd. Winnebago St., $8,850. W. W. Horner, 300 City Hall, engr.

Mo., Trenton—Making preliminary plans grading, curbing, hardsurfacing, etc., 9 blocks various streets.

Arkansas—State Hy. Dept., Little Rock, takes bids about Apr. 1, gravel surfacing 3 mi. and surface treating 10 mi. macadam road in Dist. 5 from Plumersville to Springfield, and asphalt resurfacing 3.75 mi. Dist. 1, North of Morrillton, both Conway Co.; resurfacing roads in Dist. 3, grading 25 mi. between Clinton and Morrillton and from Morrillton to Scotland, Dist. 4; and rebuilding Point Remove Bridge. R. C. Limerick, highway engr.

Tex., Abilene—Taylor Co. making plans grading, bridging and surfacing with 6 in. compacted gravel and 4 in. macadam with 2 in. bituminous topping 32.71 mi. highway north and south through county, $453,400; also grading, bridging and bituminous macadam and 2 in. bituminous concrete on waterbound macadam paving 7 mi. Highway 1-A, from Abilene to Callahan Co. line, $250,000. L. C. McCanlies, Abilene, engr.

Tex., Beaumont — Making plans hard paving Ash Ave., Pecos Blvd., Avenues A, C and F, Center, Emmett, Elizabeth, Ewing, Houston, Irma, Johna, Laurel, 9th, Orange, Park, Pennsylvania, Royal, Foch, 6th, South, Victoria, Mariposa and Gladys Sts. $400,000. R. C. Slack, Beaumont, city engr.

Tex., Cameron — Milam Co., c/o J. T. Jemp, judge, taking bids tearing down and numbering members of old McCowan bridge near here, hauling and re-erecting 150 ft. span on cut channel of Little River near Buckholts; hauling and re-erecting 100 ft. span of gulch near Black Bridge; constructing piers and approaches for 2 spans at new location. $27,500. A. F. Mitchell, co. engr.

Tex., Denison—Election Apr. 6, $50,000 bonds, paving various streets. C. E. Hayden, Denison, engr.

Tex., Giddings — Lee Co. making plans grading and bridging 10 mi. Taylor-Lexington Highway. $30,000. M. Swain, Caldwell, div. engr.

Tex., George West—Live Oak Co. plans improving 7 mi. Laredo-Houston Highway from Ray Point to Three Rivers. $60,000 bond election soon. E. L. Riser, George West, co. judge.

Tex., Hereford — Takes bids after Mar. 10, brick, concrete or asphaltic type paving 39 blocks various streets. $130,000. Montgomery & Ward, 545 Snider Bldg., Wichita Falls, engrs.

Tex., San Antonio — Bexar Co. making plans asphaltic paving 12 blocks Seguin Rd. from Crosby St. to city limits. $30,000. City appropriates toward cost. I. Ewig, San Antonio, city engr.

Tex., Seguin — Guadalupe Co. making plans grading, bridging and gravel surfacing 17.05 mi. Highway 3 from city limits of Seguin to San Marcos River at Caldwell Co. line, 18 ft. $105,800. H. J. Caulfield, Seguin, engr.

Tex., Shamrock—Making plans permanent paving 55 blocks various streets. $130,000. F. Dubois, Shamrock, engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading and gravel surfacing 14 mi. Crescent-Marshall Rd., 30 ft., Logan Co., $60,000; and grading, etc., 18 mi. Ellis-Shattuck Rd., 30 ft., Ellis Co., $40,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading and paving 4.5 mi State Highway 4, 18 ft., Kay Co. $114,000. J. M. Page, highway engr.

Okla., Bethany — Making preliminary plans grading, curbing and concrete paving 22,600 sq.yd. Oklahoma, Canadian and Ash Sts. $70,000. J. C. Biggers, city clk. Engineer not announced.

Okla., Chandler—Plans brick on concrete paving 9th St. from business section to residential section. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., consult. engrs.

Okla., Eldorado—See "Waterworks."

Okla., Elk City — Making plans brick paving various streets residential district. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., consult. engrs.

Streets and Roads (Continued)

Okla., Holdenville — Plans grading and concrete paving 10,465 sq.yd. streets in Dist. 26. $31,728. C. H. Edge, Holdenville, engr.

Okla., Kingfisher — Made preliminary plans grading and concrete paving 17,200 sq.yd. 2nd and Blaine Sts. $46,000. A. Ash, city clk. Engineer not selected.

Okla., Norman—Plans grading, curbing and concrete paving 13,600 sq.yd. streets in Impvt. Dist. 58. $58,420. F. Cobb, Norman, engr.

Okla., Oklahoma City—Plans widening 9 blocks Harvey St., 7,500 sq.yd. sheet asphalt, $40,000; and 15 blocks Walker Ave., 80,000 sq.yd. sheet asphalt, $1,200,000. B. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 6,150 sq. yd. 17th and Catalpa Sts. $31,460. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Oklahoma Co. made surveys grading and concrete paving 31,680 sq.yd. State Road 3, south of Harrah, $88,200; and 10,560 sq.yd. Britton-Novina Rd., $30,000. R. S. James, Court House, engr.

Okla., Perry—Making preliminary plans grading and concrete paving 15,550 sq.yd. various streets in Dist. 17. $46,210. C. A. Wood, Perry, engr.

Okla., Stillwater — Plans grading and concrete paving 9,440 sq.yd. East 6th St. $28,867. R. G. Saxton, Stillwater, engr.

Okla., Tipton—Making preliminary plans grading and sheet asphalt paving 6,100 sq.yd. Main St. $27,000. J. W. Collier, Tipton, engr.

Okla., Woodward—Plans paving various streets. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Okla., Yukon—Voted $66,700 bonds grading, curbing and concrete paving 19,800 sq.yd. Main St. F. Cobb, Norman, engr.

California—State Hy. Dept., Sacramento, making plans widening and thicken pavement on 8 mi. road between Modesto and North county line, Stanislaus Co.; paving 1.25 mi. Seal Beach Rd. and 2 mi. Laguna Beach Rd., both on South Coast Highway, Orange Co., and 7 mi. Mountain Springs Grade on El Centro-San Diego Highway, San Diego Co.; grading and paving 4.5 mi. Oxnard-Hueneme Rd., Ventura Co.; removing dangerous curves and grades from Ventura Blvd. at Chalk Hill, Los Angeles Co.; also 7 timber bridges, Imperial Co. R. M. Morton, highway engr.

Calif., Bakersfield—Made plans improving Union Ave. between Truxton and California Aves., 38,961 sq. ft. 1½ in. Warrenite bitulithic on 4 in. asphaltic concrete surfacing, 1,965 sq.ft. concrete paving, 163 ft. concrete curbing, etc. W. D. Clarke, city engr.

Calif., Burbank—City Council takes bids about Mar. 26, grading, curbing, ornamental lighting, sewering, etc., Pasco Redondo St. To exceed $25,000. J. R. Rose, Burbank, engr.

Calif., Los Angeles — Los Angeles Co. making plans curbing, walks, 8 in. concrete and 2 in. Willite on 3 in. asphaltic concrete with 4 in. disintegrated granite sub-base paving, etc., portion of California Ave., etc., Impvt. 465. To exceed $25,000.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Mar. 26, curbing, guttering, sidewalks, grading and asphaltic concrete on concrete paving Addison Way, Fresno, 24th and Park View Sts., to exceed $25,000; Saticoy St., Argary Way, Radford and La Mirada Aves., $25,000; also Longacre, Bellvue, Neptune, Wabash and Sayre Aves. J. C. Shaw, City Hall, engr.

Calif., Long Beach—City Council soon take bids curbing, walks, and 7 in. concrete paving 96,599 sq.ft. Loma Ave. between Anaheim and State Sts. R. D. Van Alstine, city engr.

Calif., Pomona—City Council soon takes bids curbing, guttering and waterbound macadam paving 268,000 sq.ft. Orange Grove Ave. $40,000. F. C. Froehde, city engr. Noted Feb. 25.

Calif., San Diego—Made plans grading, curbing, sidewalks and 5 in. concrete paving 20,268 sq.yd. C and 28th Sts. F. A. Rhodes, City Hall, engr.

Calif., San Diego—San Diego Co. plans improving 17th St. from F to Imperial Sts., 412 lin.ft. cement curbing, 1,773 lin.ft. cement sidewalk, 12,132 sq.yd. 1½ in. asphaltic concrete on 2½ in. concrete paving. F. A. Rhodes, City Hall, engr.

Calif., San Francisco—Making plans repaving Washington St. between Mason and Taylor Sts., Clay St. between Mason and Jones Sts., and Mason St. between Sacramento and Clay Sts. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco — Made plans improving Woolsey St. between Somerset and University Aves., 2,880 lin.ft. concrete curbing, 1,988 sq.ft. artificial stone walks, 86,600 sq.ft. 1½ in. asphaltic concrete on 6 in. concrete paving, etc. To exceed $30,000. M. M. O'Shaughnessy, city engr.

Calif., San Rafael—Plans 5 in. concrete and asphaltic concrete paving portions of Mira Mar Ave., Reservoir Rd., Ross and Glenn Sts. $70,000.

Calif., Watts—Takes bids about Apr. 26, grading, curbing, 6 in. concrete and 4 in. asphalt paving Monitos Ave., etc. To exceed $25,000. H. B. Carter, Watts, engr.

Ont., Toronto—Plans resurfacing Jameson Ave. $9,896, and Springhurst Ave. $18,536. Work involves 14,000 sq.yd. asphalt. R. C. Harris, City Hall, engr.

Bids Desired

N. Y., New York—Mar. 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., laying and relaying sidewalks and curbs, when and where directed during year 1926; also granite block on concrete repaving and widening 4th Ave. from 17th to 23rd Sts., and sheet asphalt on concrete paving 4th Ave. from 23rd to 32nd Sts.

N. J., Trenton — Mar. 16, by Hamilton Twp. Comn., Greenwood School, W. R. Hart, clk., bituminous macadam paving 2,900 ft. Bear Swamp Road, 18,000 gal. material. C. S. Sincerbeaux, Mechanic Bldg., engr.

Pa., Coatesville—Apr. 5, by City, grading, paving, etc., 13,000 sq.yd. various streets. L. F. Hoffman, supt. Dept. Streets & Pub. Impvt.; adv. E. N.-R. Mar. 11.

Md., Baltimore—Mar. 17, by Bd. Awards, sheet asphalt paving 12,930 sq.yd. Contr. 314, 9,000 sq.yd. Contr. 315; and redressed granite block paving 9,000 sq.yd. Contr. 316. S. Purcell, City Hall, highways engr.

Virginia—Mar. 19, by State Hy. Comn., Richmond, concrete paving Project 134; bituminous macadam paving Project 428; bridges on Projects 432, 433 and 437; adv. E. N.-R. Mar. 11.

W. Va., Charleston—Mar. 15, by Court Kanawha Co., concrete surfacing 1.1 mi. Ruffner Hollow Rd., 16 ft., Project 143; grading and concrete surfacing 0.56 mi. Sugar Creek Rd., 14 ft., Project 172; grading and concrete or penetration macadam surfacing 0.75 mi. Wilson Hollow Rd., 14 ft., Project 175. R. N. Moulton, co. clk.

W. Va., Huntington—Mar. 26, by Court Cabell Co., improving 5 various projects in Guyandotte Co,. incl. 46,000 cu.yd. excav., 2,200 ft. culvert pipe, 178,000 lb. reinforcing, 10,500 cu.yd. concrete, etc. J. M. Oliver, co. engr.

W. Va., Williamson—Mar. 23, by Court Mingo Co., D. M. McKenzie, pres., curbing, guttering, and one course concrete paving, etc., 8,600 sq.yd. and asphalt on 8 in. crushed stone paving 8,600 sq.yd. road leading through town of Matewan, Project 36.

N. C., Smithfield—Mar. 24, by Bd. City Comrs., curbing, guttering, sidewalks, sewers and paving 30,000 sq.yd. various streets. $130,000. G. J. Brooks, Smithfield, engr.

Ala., Birmingham — Apr. 15, by City Comn., asphalt paving 7 blocks 1st Ave. S. and 5th Ave. S. $34,200, 6 blocks 20th Pl. and Ave. Z (Ensley) $25,550, 7 blocks, Anniston Ave., 23rd and 24th Sts. Ensley $35,600, and 5 blocks Ave. Y (Ensley) $25,350, all above 40 ft. wide.

Miss., Biloxi—Mar. 25, by Mayor and Bd. City Comrs., grading, sidewalks, curbing, guttering and 3 in. sheet asphalt on 5 in. concrete or 2 in. asphaltic concrete paving, etc., 55,383 sq.yd. various streets and avenues. Hawkins & Madding, Biloxi, and Gulfport, consult. engrs.

Miss., Winona — Apr. 6, by W. F. Blackston, city clk., curbing and 1-2-3 in. concrete paving 13,000 sq.yd. Speedway, Powell and Beale Aves. $25,000. M. L. Culley, Jackson, and H. Worley, Jr., Winona, engrs.

Louisiana—Mar. 23, by State Hy. Comn., Baton Rouge, graveling Logansport-Gloster Highway, State Project 450-B, DeSoto Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Apr. 6, by State Hy. Comn., Baton Rouge, graveling or clam shell paving 13.025 mi. Hammond-New Orleans Highway, State Project 127-E, St. John the Baptist Parish. W. B. Robert, Reymond Bldg., highway engr.

La., Bastrop—Mar. 23, by Police Jury Morehouse Parish, graveling 6 mi. Bastrop-Monroe Highway, Road 5; also furnishing gravel for project. J. W. Brodnox, pres. police jury.

Kentucky—Apr. 12, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading, etc. 10 mi. Jackson-Hazard Rd., F.A.P. 138-B Breathitt Co., 5.8 mi. Maceo-Pates Rd., F.A.P. 105-B Daviess Co., 4.4 mi. Salyersville-Royalton Rd., S.A.P. 28-B Magoffin Co., 7.9 mi. Louisville-Milton-Bedford Rd., F.A.P. 145-A, and 12 mi. same road, Sect. B, both Trimble Co.; grading and waterbound macadam, bituminous macadam or gravel surfacing 11.2 mi. Danville-Hustonville-Liberty Rd., F.A.P. 143-A, Lincoln Co.; and grading, rock asphalt, waterbound macadam or bituminous macadam surfacing 11.6 mi. Maysville-Germantown Rd., S.A.P. 57-A, Mason Co., all above roads 24 and 28 ft. wide. E. N. Todd, highway engr.

Ohio — Mar. 19, by Dept. Hys. & Pub. Wks., Columbus, surfacing with (a) concrete (b) bituminous macadam (c) surface treated macadam (d) concrete and bituminous macadam (e) brick, including brick (f) brick and macadam (g) waterbound macadam, 3.275 mi. Sect. "H" Hamilton-Eaton Rd. (a) $102,686 (b) $102,875 and 0.56 mi. Sect. "Somerville" Hamilton-Eaton Rd. (a) $14,708 (b) $15,070 Butler Co., 0.531 mi. Sect. "Salineville" Salineville-Wellsville Rd., 18 ft., Columbiana Co., (a) $18,655; 3.12 mi. Sect. "E-1" Delaware-London Rd., 18 ft., Delaware Co. (e) $59,418; 0.158 mi. Sect. "B-1" Ceylon-Norwalk Rd., 18 ft., (a) $4,276, 0.628 mi. Sect. "Berlin Heights" same road, 18 ft., (a) $19,155 and 0.628 mi. same section, same road, 11 ft. (a) $8,131, all in Erie Co.; 1.032 mi. Sect. "C" Cambridge-Barnesville Rd., Guernsey Co. (a) $41,221 (b) $36,352; 5.725 mi. Sect. "A" Ohio River Rd., 20 ft., Hamilton Co. (d) $346,410 (b) $346,410; 0.256 mi. Sect. "E" Ceylon-Norwalk Rd., 18 ft., Huron Co. (a) $7,906 (b) $7,886; 3.035 mi. Sect. "C-2" Mt. Vernon-Mt. Gilead Rd., 18 ft., Knox Co., (a) $97,147 (e) $124,364; 1.942 mi. Sect. "H-1" McConnelsville-New Lexington Rd., 16 ft., Morgan Co. (f) $60,758 (g) $59,684; 1.225 mi. Sect. "N" Zanesville-Cincinnati Rd. (a) $44,857 (b) $45,969 also 0.604 mi. Sect. "Fultonham" same road, (a) $19,887 (b) $19,531, both 18 ft., Muskingum Co.; 2.789 mi. Sect. "C" Shelby-Ashland Rd., 18 ft., Richland Co. (a) $102,880 (g) $104,197; 4.709 mi. Sect. "A" Cleveland-West Richfield Rd., 20 ft., Summit Co. (a) $219,951 (e) $287,014; 3.56 mi. Sects. "B-1" and "C" Burton-Bloomfield Rd., 18 ft., Trumbull Co. (b) $104,085; 0.759 mi. Sect. "A-1" Van Wert-Ottawa Rd., 18 ft., (b) $31,081 and 1.984 mi. Sect. "A-2" same road, (b) $52,567 both 18 ft., Van Wert Co.; grading, etc. 2.421 mi. Sect. "L" Lancaster-New Lexington Rd., Fairfield Co. $39,392, 0.322 mi. Sects. "A" "M" "N" and "O," Ohio River Rd., 28 ft., Gallia Co., $13,114; crushing, hauling and spreading limestone on 8.2 mi. Sects. "L" and "M" Jackson-Pomeroy Rd., 10 ft., Meigs Co. $7,622, 5.8 mi. Sect. "N" same road Vinton Co. $10,384, 10 mi. Sects "K-3" and "S" McConnelsville-Caldwell Rd., 10 ft., Morgan Co. $18,105, 3.5 mi. Sect. "F" McConnelsville-Cambridge Rd., 10 ft., Morgan Co. $6,371; grading, finishing shoulders and slopes, etc. on 0.322 mi. Sect. "B" Ohio River Rd., 28 ft., Washington Co., $29,005. G. F. Schlesinger highway dir.

O., Akron—Apr. 12, by W. F. Peters, dir. Pub. Serv., grading, curbing, vitr. brick paving, etc., 5,650 sq.yd. Gertrude St., et al., $44,400, 13,260 sq.yd. Inman St. $101,200, 6,055 sq.yd. Bacon Ave. $38,900, and 7,700 sq.yd. Sunset View and Stadelman Aves. $72,000; also grading, walks and cindering 2,000 cu.yd. Stanton Ave. et al., $23,500, and 725 cu.yd. Hunt St. $4,950. E. A. Kemmler, Municipal Bldg., engr. Noted Feb. 25.

O., Cincinnati—Mar. 12, by Comrs. Hamilton Co., grading, guttering and concrete paving 18,320 sq.yd. Camargo Rd. from corporation line of Cincinnati to corporation line of Madera. $130,623. E. A. Gast, Court House, engr.

O., Cincinnati — Mar. 19, by Comrs. Hamilton Co., grading and tar bound macadam paving 8,600 sq.yd. School Sect. Rd. $25,000, 22,600 sq.yd. Muddy Creek Rd. from Bridgetown Rd., to Ebenezer Rd. $59,998, 12,700 sq.yd. Linneman Rd. from Muddy Creek Rd., to Need Rd. $30,705, and 8,200 sq.yd. Livingston Rd. from Blue Rock Rd., to Poole Rd. $25,000. E. A. Gast, Court House, engr.

O., Dayton — Mar. 22, by Comrs. Montgomery Co., sheet asphalt, rein.-con. or macadam paving 27,000 sq.yd. Overlook, Hillcrest, Emerson, Rugby and other roads. $75,000. W. O. Pease, Court House, co. engr.

Indiana — Mar. 23, by J. D. Williams, dir. State Hy. Comn., Indianapolis, brick, bituminous concrete and concrete paving 30.383 mi. F. A. 85, Sect. A, S. R. 1, 2 mi. north of Peru to point 2 mi. north of Mexico, Sect. B, 2 mi. north of Mexico to Fulton Co. line, Sect. C, Miami Co. line to Rochester, Miami Co.; 17.878 mi. Sect. D, S. R. 1, Rochester to Marshall Co. line, Fulton Co., Sect. E, Fulton Co. line to Nickel Plate R.R. crossing, and Sect. F, Nickel Plate R.R. crossing to Plymouth, Marshall Co.; F. A. 101, Sect. A, S. R. 11, Marion to Mt. Etna, Grant and Huntington Counties; F. A. 103, Sect. A, S. R. 8, Crown Point to Hebron, Lake and Porter Counties, etc.

Ind., Elkhart—Mar. 23, by Bd. Pub. Wks., brick, concrete, sheet asphalt or asphaltic

Streets and Roads (Continued)

concrete paving South Blvd., $6,800; Morton Ave., $30,600; Eden St., $18,700; Kinzie St., $4,700; and Milwaukee Ave., $11,600. A. W. Davis, pres.

Illinois—Mar. 18, by City Clerks of La Grange and Brookfield, concrete paving 10,200 sq.yd. East Ave. in La Grange and Brookfield. $34,000.

Ill., Decatur—Mar. 31, by City, extending purification and softening plant, incl. 6 new filters, etc. W. C. Clark, Spitzer Bldg., Toledo, O., consult. engr.; adv. E. N.-R. Mar. 11. Noted Dec. 24.

Wis., Oshkosh — Mar. 16, by Bd. Pub. Wks., vibrolithic, bituminous macadam, or gravel surfacing, etc., various streets. G. H. Randall, city engr.

Ia., Sigourney — Mar. 23, by R. E. Richardson, city clk., City Hall, grading, curbing, 6 and 8 in. rein.-con. paving various streets. $180,000. Brown & Cook, Ottumwa, engrs. Noted Feb. 18.

Minnesota—Mar. 16, by State Hy. Dept., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, paving 70,942 sq.yd. S. P. 3-45, Sect. 3, F. A. P. 363, and 77,760 sq.yd. S. P. 3-45, Sect. 4, F. A. P. 25; and asphaltic concrete paving 67,692 sq.yd. and 13,694 sq.yd. concrete base on S. P. 10-39, F. A. P. 382; grading 190,000 cu.yd. S. P. 6-40, Sect. 2, F. A. P. 349; bridging and grading 342,000 cu.yd. S. P. 5-31, Sect. 1, F. A. P. 380, also 196,000 cu.yd. S. P. 37-21, Sect. 3, F. A. P. 376. Eng. Dept. State Hy. Dept., 1246 University Ave., St. Paul, engrs.

Minn., Hastings — Mar. 24, by R. W. Downs, aud. Dakota Co., 7 in. one course rein.-con. paving, etc., approximately 8,578 sq.yd. Job 2697, State Aid Rd. 7. $25,000. J. Swan, co. engr.

Minn., South St. Paul—Mar. 15, by J. R. Stevenson, city aud., paving approximately 1 mi. various streets. $50,000. P. V. Kelley, city engr. Noted Dec. 10.

Kan., Hoxie—Mar. 27, by Clerk Sheridan Co., grading, three 30 ft. and two 25 ft deck girder span bridges on 2.424 mi. Federal Adi Project 318-A.

Kan., Iola—Apr. 2, by Clerk Iola Co., grading, guttering and concrete surfacing, etc., 44,153 sq.yd. Federal Aid Project 328-A. A. R. Stroup, Iola, Co., engr. Noted Mar. 4.

Kan., Russell Springs — Mar. 18, by Clerk Logan Co., grading, also two 20 ft. concrete slab and three 25 ft. I-beam span bridges on 2.992 mi. Federal Aid Project 247-A.

Kan., Winfield—Apr. 8 (extended date), by Clerk Cowley Co., concrete or brick surfacing, also one 24 ft. I-beam, one 12 ft. concrete box and one 25 ft. concrete slab span bridges on 8.846 mi. Federal Aid Project 231-C, D, E and F. Noted Feb. 25.

North Dakota — Mar. 11, by State Hy. Dept., and Comrs. Benson Co., Court House, Minnewaukan, grading, etc., 15.294 mi. Federal Aid Project 290-A and B. C. Christensen, highway comr.

North Dakota — Mar. 17, by State Hy. Dept. and Comrs. Ransom Co., Court House, Lisbon, grading, gravel surfacing, etc., 3.175 mi. Federal Aid Project 221-C. C. Christensen, highway comr.

North Dakota — Mar. 15, by State Hy. Comr. and Comrs. Kidder Co., Court House, Steele, grading, etc., 13.985 mi. Federal Aid Project 306-B. C. Christensen, highway comr.

North Dakota—Mar. 24, by State Hy. Comn. and Comrs. Morton Co., Court House, Mandan, grading, etc., 5.338 mi. Federal Aid Project 251-B. C. Christensen, highway comr.

North Dakota — Mar. 26, by State Hy. Comn. and Comrs. Sioux Co., Court House, Ft. Yates, grading, etc., 20.202 mi. Federal Aid Project 259, and 17.955 mi. Federal Aid Project 262. C. Christensen, highway comr.

Missouri—Mar. 19, by State Hy. Dept., Jefferson City, grading, gravel surfacing and concrete paving 153.475 mi. roads in Adair, Barton, Bates, Callaway, Chariton, Christian, Cooper, Douglas, Franklin, Gentry Greene, Harrison, Howell, Iron, Johnson, Lewis, Macon, Mercer and Polk Counties. B. H. Piepmeier, ch. engr. Noted Feb. 25.

Texas — Mar. 22, by H. Moseley, chn. Highway Comn., Austin, grading and bridging, etc. 7.07 mi. Highway 19, Federal Aid Project 485-B, $51,300; also 9.12 mi. same road Federal Aid Project 485-D, $51,300, both 26 ft., Houston Co. F. J. Von Zuben, Crockett, co. engr. Noted Dec. 17.

Tex., Abilene — Taylor Co. taking bids grading and bridging 5.74 mi. Highway 1, Federal Aid Project 468 between Abilene and the Callahan Co. line. $62,000. L. C. McCanlies, resident engr.

Tex., Huntsville—Walker Co. taking bids grading and bridging 17.27 mi. Highway 45, State Aid Project 664-B, $100,000. D. K. Caldwell, Huntsville, engr. Noted Feb. 18.

Tex., Medina—Medina Co. taking bids asphalt paving 11.55 mi. Sect. A, Highway 3, Federal Aid Project 270, 17 ft., $76,500. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Stephenville—Erath Co., grading, bridging and sledged stone on rein.-con. paving 4.96 mi. Highway 10, State Aid Project 563-B, from McClung Constr. Co., F. & M. Bank Bldg., Ft. Worth, $40,588. Engrs. est. $47,000.

Tex., Sweetwater—Nolan Co. taking bids bituminous macadam paving 15.22 mi. State Highway 1, Federal Aid Project 444-B, Unit 2, $348,000; also grading and bridging 9.1 mi. State Highway 7, Federal Aid Project 498, Unit 1, $25,000. J. A. Focht, Sweetwater, co. engr. Noted Jan. 21.

Tex., Weatherford — Parker Co., taking bids grading, bridging and gravel surfacing 5.47 mi. Highway 10 between Cresson and the Parker Co. line. $76,000. Address State Highway Dept., engrs.

Oklahoma—Mar. 16, by State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading, bridging, etc., 14.536 mi. Elk City-Sayre Rd., F. A. P. 212-B, C and D, Beckham Co., 114,550 cu.yd. excav., 46.4 tons reinforcing, etc., $65,000, 6 mi. Walters Rd., S. A. P. 109, Cotton Co., 58,060 cu.yd. excav., 23.21 tons reinforcing, etc., $30,000, 14.124 mi. Bristow-Stroud Rd., F. A. P. 136-A, B and D, Creek Co., 131,300 cu.yd. excav., 69.4 tons reinforcing, etc., $78,000, 6.997 mi. Ponca City-Tonkawa Rd., S. A. P. 111-B and C, Kay Co., 51,790 cu.yd. excav., 32.6 tons reinforcing, etc., $35,000, 6.75 mi. Buffalo-Keno Rd., S. A. P. 247, Harper Co., 49,000 cu.yd. excav., 19.3 tons reinforcing, etc., $25,000, 4.6 mi. Tonkawa-Three Sands Rd., S. A. P. 280, Kay Co., 47,140 cu.yd. excav., 17.7 tons reinforcing, etc., $25,000, 6.65 mi. Snyder-Mt. Park Rd., S. A. P. 224-B, Kiowa Co., 55,460 cu.yd. excav., 26.61 tons reinforcing, etc., $25,000, 8.897 mi. Hobert-Gotebo Rd., S. A. P. 226-A and B, Kiowa Co., 71,970 cu.yd. excav., 26.3 tons reinforcing, etc., $35,000, 10.055 mi. Hobert-Lone Wolf Rd., S. A. P. 227-B, C and D, Kiowa Co., 83,160 cu.yd. excav., 38.7 tons reinforcing, etc., $45,000, 9.792 mi. Poteau-Heavener Rd., F. A. P. 132-A, B and E, Le Flore Co., 74,910 cu.yd. excav., 22.4 tons reinforcing, etc., $61,000, and 5.146 mi. Talala Rd., S. A. P. 2-G, Rogers Co., 39,230 cu.yd. excav., 18.45 tons reinforcing, etc., $25,000; grading, gravel surfacing, etc., 7.49 mi. Altus Rd., S. A. P. 229, Jackson Co., 33,800 cu.yd. excav., 16.4 tons reinforcing, etc., $61,000, and 5.238 mi. F. A. P. 193-D, Nowota Co., $25,000; grading, concrete surfacing, etc., 29,572 sq. yd. Yukon Rd., S. A. P. 163-B and C, Canadian Co., $70,000; concrete surfacing 74,220 sq.yd. Pond Creek-Garfield Co. line Rd., F. A. P. 148-C and D, Grant Co. $175,000, 75,176 sq.yd. Beggs Rd., F. A. P. 159-A, Okmulgee Co. $175,000, and 34,120 sq.yd. Picher-Commerce Rd., F. A. P. 105-C, Ottawa Co. $81,000; sheet asphalt paving 54,885 sq.yd. Henryetta Rd., F. A. P. 168-A, Okmulgee Co., $121,000. J. M. Page, highway engr.

Idaho—Mar. 20, by Commissioner Pub. Wks. at office Comrs. Bingham Co., Blackfoot, improving 9.48 mi. Yellowstone Park Highway, Federal Aid Project 61-A-B and C, 4,741 cu.yd. excav., 9,288 lb. reinforcing, 100,003 sq.yd. bituminous paving, and 6,001 cu.yd. crushed gravel shoulders. P. B. Wilson, Sonnenkalb Bldg., Pocatello, dist. engr.

California—Mar. 22, by State Hy Comn., Sacramento, improving streets at Chalk Hill, Los Angeles Co., 62,000 cu.yd. excav., 557,000 sta.yd. overhaul, 2,140 tons broken stone (water bound base), 1,070 tons broken stone for bituminous surfacing, 52 tons asphalt road oil, etc. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Blythe—City Trustees taking bids curbing, walks, 1½ in. Durite asphaltic concrete on 3½ in. asphaltic concrete surfacing 350,000 sq.ft. Hobsonway and portions of Main St. A. C. Fulmor, city engr. Noted Jan. 7.

Calif., Santa Cruz — S. A. Evans, city clk., taking bids grading, 5 in. concrete paving, etc., Laurent St. between Mission and California Sts. J. K. James, city engr.

Ontario — Mar. 22, by S. L. Squire, deputy minister highways, Dept. Pub. Highways, Toronto, asphaltic concrete paving 6.41 mi. Contr. 1289, $240,000; concrete paving 23.29 mi. Contrs. 1290 to 1293 (inclusive), $700,000; bituminous macadam paving 33.89 mi. Contrs. 1294-1301 (inclusive), $450,000; waterbound macadam paving 26.3 mi. Contrs. 1302-1306 (inclusive), $300,000; grading Contr. 1307, $15,000; oiling 61.3 mi. Contrs. 1308-1310, $60,000; also concrete culverts and abutments, Contrs. 1311-1313 (inclusive), $30,000; and steel superstructures, Contrs. 1314 and 1315, $25,000. R. M. Smith, 110 University Ave., Toronto, ch. engr.

Bids Received

New Jersey—Bd. Freeholders Monmouth Co., Court House, Mar. 3, concrete paving 2.388 mi. Allenwood-Manasquan Rd., in Manasquan, from Interstate Eng. & Contg. Co., 918 Catherine St., Phila., Pa. $90,585; and 0.57 mi. Biggetts Park-Manasquan Rd., in Biggetts Park, from P. Camillo & Co., 335 Spring St., Westfield, $25,694. Noted Feb. 18.

Pennsylvania—State Hy. Dept., Harrisburg, Mar. 2 **(R. means Route and A. means Application)**, one course rein.-con. paving 36,436 ft. R. 241, Sect. 4, Bradford Co., from M. Bennett & Sons, Indiana, $543,781, 32,360 ft. R. 242, Sect. 3, A. 3703-3617, Washington Co., from Blue Ridge Constr. Co., Inc., Uniontown, $285,499, 14,610 ft. R. 140, Sect. 3689, Dauphin Co., from W. H. Murphy & Sons, 2100 State St., Harrisburg, $114,329, 4,458 ft. R. 182-240, A. 3765, Montour Co., from T. B. Evans, 344 Ferry St., Danville, $36,181, 15,657 ft. R. 175, A. 3921; Lehigh Co., from D. L. Risser, 713 Walnut St., Lebanon, $117,298, 10,797 ft. R. 133, Sect. 5, Delaware Co., from Ambler-Davis Co., Harris Bldg., Phila., $104,514, 9,679 ft. R. 59, A. 3525-3526-3794, Jefferson and Clearfield Counties, from Metzger, Kirkpatrick & Wallis, Emporium, $62,245, 19,461 ft. R. 234, Sect. 1, A. 3577-3923, Cambria Co., from Payne-Yost Constr. Co., 1101-3 Diamond Bank Bldg., Pittsburgh, $142,362; also one course rein.-con. or bituminous wearing surface on concrete paving 11,565 ft. R. 447, A. 3819, Crawford Co., from H. E. Bunce, 12 South Fulton St., Olean, N. Y., $100,667. Noted Feb. 4.

Md., Towson—Baltimore Co., Mar. 2, concrete paving 1.22 mi. Pittsburgh Ave. from Dundalk to Sollers Point (Group 10), from Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $38,009. Noted Feb. 25.

South Carolina—State Hy. Dept., Columbia, Mar. 2, grading, sand clay surfacing, etc., 5.7 mi. State Route 24, State Project S-589-C, Orangeburg Co., from J. F. Cleckley Cope, $29,408; topsoiling, etc. 10.5 mi. State Route 55, State Project S-603, Greenwood Co., from J. H. Milford, Greenwood, $41,607 and 2.9 mi. State Route 7, State Project S-625, Abbeville Co., from McCalla Bros., McCormick, $32,265. Noted Feb. 18.

Louisiana — State Hy. Comn., Baton Rouge, Mar. 2, graveling 4.23 mi. Sorrento-Burnside Highway, State Project 359-E, Ascension Parish, from Robinson Constr. Co., Centerville, Miss., $22,615; and 8 mi. Logansport-Gloster Highway, Project 450-B, De Soto Parish, from J. C. Leathers, Moreouville, $45,898. Noted Feb. 4.

O., Akron—W. F. Peters, dir. Pub. Serv., Mar. 1, grading, curbing and asphalt paving 2,400 sq.yd. Moreley Ave., from Columbus Asphalt Paving Co., 304 Buckeye Bldg., $19,242. Engrs. est. $25,000. Noted Feb. 18.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., from J. Datka, 1147 10th Ave., grading Euclid Ave. between 5th and 9th Aves., $17,163; from Milwaukee General Constr. Co., 427 Mitchell St., vibrolithic concrete paving Sheridan Ave. and Nevada St. $15,342, Hayes St. and Vienna Ave. $2,222, 13th Ave. $9,309, and 23rd and Cleveland Aves. $10,389; from W. F. Hunt, 405 Bway., 24th and West 24th Sts. $24,368, 24th and West 24th Sts. between Lake St. and Hope Ave. $23,253, 25th and 26th Sts. $23,015, 1st and Vienna Aves. $16,376, and Island Ave. $11,077; and from A. E. Retzlaff, 868 Island Ave., 48th and 49th Sts. $11,800.

Wis., Two Rivers—R. Biehl, city mgr., Feb. 24, grading, curbing, and paving 30,000 sq.yd. various streets, from E. J. Streu, Two Rivers, vibrolithic concrete $56,815, and two course concrete $60,715. Noted Feb. 18.

Wash., Seattle—Bd. Pub. Wks., grading, curbing and concrete paving North and West 76th St., et al, from J. L. Smith, 304 West 36th St., $31,981. Engrs. est. $34,783.

Calif., Los Angeles—Bd. Pub. Wks., Feb. 23, from M. S. Ross, 4651 Hollywood Blvd., improving Dixie Canyon Ave. between Chetenham and Mullholland Dr., grading $110,000, 24,795 lin.ft. wood guard rail $0.60 per lin.ft., corrugated pipe culvert $3,000, total approximately $127,877; from H. A. McCray, Amer. Bank Bldg., Kenilworth Ave. between Moreno Dr. and August St., grading $10,000, 345,790 sq.ft. 5 in. concrete paving $0.173 per sq.ft. 27,485 lin.ft. reinforced monolithic curbing $0.42, 12,981 sq.ft. one-course walks $0.135, etc., total approximately $138,020. Noted Feb. 11.

Calif., Los Angeles — Supervs. Los Angeles Co., from H. and P. Constr. Co., improving Palm Ave. Impvt. 497, 6,864 lin.ft. curbing $0.425 per lin.ft., 14,061 sq.ft. guttering $0.18, 351 sq.ft. sidewalk $0.18,

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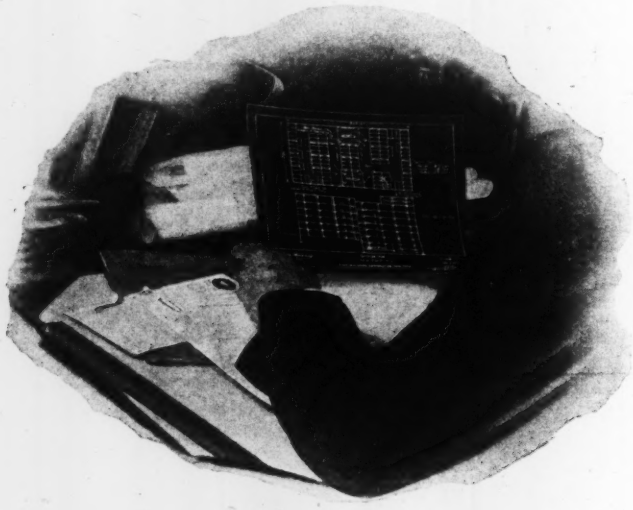

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Streets and Roads (Continued)

14,892 cu.yd. excav. $0.43, 112,786 sq.ft. disintegrated granite sub base $0.05, etc., total $75,702. Engrs. est. $85,200.

Calif., Mountain View — From Union Paving Co., Call Bldg., Oakland, improving Pettis, Mt. View Aves., etc., 443,430 sq.ft. grading $0.26 per sq.ft., 377,900 sq.ft. 4 in. Warrenite bitulithic paving $0.188, 65,000 sq.ft. 4½ in. Warrenite bitulithic paving $0.199, etc., total approximately $137,575. Noted Feb. 4.

Calif., Oakland—Supervs. Alameda Co., from M. Blumenkranz, Farmers & Merchants Bldg., Stockton, improving Crow Canyon Rd., 52,000 cu.yd. excav. $0.50 per cu.yd., 1,700 cu.yd. culvert excav. $1, etc., total $49,710.

Calif., Santa Cruz—S. A. Evans, city clk., grading, curbing, concrete paving, etc. portions of Berkeley Way, Market and Washburn Sts., from Thompson Bros., H and Divisadero Sts., Fresno, $43,001. Noted Feb. 11.

Calif., Walnut Creek — City Trustees, from G. W. Cushing, 2005 Roosevelt Ave., Richmond, improving various streets, 150,000 sq.ft. 5 in. concrete paving $0.18 per sq.ft., 137,527 sq.ft. 7 in. asphaltic macadam paving $0.12, 19,527 lin.ft. concrete curbing $0.45, 14,085 sq.ft. concrete guttering $0.15, etc., total approximately $69,865. Noted Feb. 18.

Contracts Awarded

N. J., Camden — Delaware River Bridge Joint Comn., c/o Widener Bldg., Phila., Pa., G. Pinchot, chn., grading, paving, etc., Camden Approach between 5th and 7th Sts., Contr. 27, for bridge over Delaware River, connecting cities of Camden and Phila., Pa., to O'Neil Co., 23rd and Spring Garden Sts., Phila., $150,460. Noted Feb. 18.

Pennsylvania—State Hy. Dept., Harrisburg, rein.-con. paving, etc., 17,641 sq.yd. Route 246, Sect. 3, Allegheny Co., to M. O. Herron Co., South 1st and McKean Sts., Pittsburgh, $91,235, and 5,900 sq.yd. Route 68, Application 3768, Indiana Co., to M. Bennett & Sons, Indiana, $43,357; grading, etc., 79,984 cu.yd. Route 246, Sect. 2, Warren and Forest Counties, to Milligan & Ringler, Blairsville, $214,918. Grand total $349,510. Noted Mar. 4.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, grading, etc. area south of Shunk St. between Delaware and Schuylkill Rivers, to Turner Constr. Co., 1713 Sansom St., $702,782; lighting for grounds and buildings, etc., to W. V. Pangborne, 1927 West Montgomery St., $182,968. Furnishing and equipping buildings, to A. Pomerantz & Co., 1525 Chestnut St., $19,338. Grand total $905,088. Noted Feb. 18.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to Barber Asphalt Co., 239 North 30th St., asphalt repaving Armat, Lena, Maplewood, Meehan, Seymour, Sheldon, Shedaker and Wister Sts. $80,980, Clinton and Kater Sts. $21,318, and 47th St. $26,454, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne Sts., Carlisle, Pacific, Westmoreland and 23rd Sts. $31,495, and Lehigh St. $15,346, to Eastern Asphalt Co., Pennsylvania Bldg., Clarissa St. $77,247, Myrtlewood, Pemberton and Watkins Sts. $24,409, to Union Paving Co., 30th and Locust Sts., Market St. (track area) $67,096, and 38th St. $25,853; to United Paving Co., Real Estate Trust Bldg., redressed granite block repaving Bainbridge St. (track area) $12,862, to C. G. Centrone, Bailey Bldg., Fulton, Orianna, Chancellor, Water, Marshall, Franklin, Hancock, and Sansom Sts. $26,850, Leithgow and 7th Sts. $26,645, Richmond St. $21,992, and Salaignac and Terrace Sts. $8,293; to M. and J. B. McHugh, 892 North Markoe St., curbing and footway work (owners to pay) Dist. 1 $15,567, Dists. 5 and 7 $18,864, to J. Zeaca & Co., 6441 Vine St., Dist. 2 $7,898, to L. Baker, 1518 North 18th St., Dist. 6 $9,987; and to J. F. O'Rourke, 925 North 47th St., curbing and footway work (city to pay) $10,968. Grand total $634,187. Noted Feb. 25.

Fla., Miami—City Comrs., grading, curbing, guttering, 2 and 3 in. sheet asphalt surfacing PV 69, 70, 71, 72, 73, 74, 75, to Highway Constr. Co., West 112th St. and Madison Ave., Cleveland, O. Noted Feb. 11.

La., Alexandria—Grading, curbing and brick paving 3,496 sq.yd. Ressellar and 4,800 sq.yd. Vance Ave., to Thurber Constr. Co., Alexandria, at $3.30 per sq.yd. Noted Dec. 31.

Ohio — Dept. Highways & Pub. Wks., Columbus, grading and concrete paving 3.144 mi. Sect. "B" Carrollton-New Philadelphia Rd., 18 ft., Carroll Co., to Urban Bros., Massillon $139,824, 1.922 mi. Sect. "B" Natl. Rd., Clark Co., and 2.202 mi. Sect. "E" same road, to Mannix Bros., Springfield $62,020 and $65,995 respectively, 3.82 mi. Sects. "C-2 and C-3" Findlay-Delphos Rd., Hancock Co., to C. E. Edington, Findlay $74,918, 0.97 mi. Sect. "L-1" Mansfield-Millersburg Rd., Holmes Co., to Allen Paving Co., Lima $2,957, and 3.93 mi. Sect. "A" East Akron-Massillon Rd., Summit Co., to G. S. Mellert, Medina, $135,293; gravel surfacing 2.95 mi. Sect. "E" Mt. Vernon-Coshocton Rd., Coshocton Co., to Brilhardt & Wright, Warsaw, $39,858; traffic bound limestone paving 0.097 mi. Sect. "B-2" McArthur-Logan Rd., Hocking Co., and 6.693 mi. Sects. "A-3 and B" same road, to L. S. Gaty, 387 Linwood Ave., Columbus, $7,927 and $83,522 respectively; asphaltic macadam paving 3.68 mi. Sects. "O" "P" and "Solon" Springfield-Washington C. H. Rd., Madison Co., to N. B. Putnam, Columbus $88,587, 3.377 mi. Sect. "P" Chagrin Falls-Greenville Rd., Trumbull Co., to Laubis Stone Co., Kenton, $89,739; grading, etc. 2.229 mi. Sect. "G" Newark-Coshocton Rd., Licking Co., to Edwards Constr. Co., Sunbury, $21,334. Grand total $811,974. Noted Mar. 4.

Ill., East St. Louis—See "Sewers."

Ill., Sycamore—Bd. Local Impvts., grading, curbing, guttering and 7 in. concrete paving 37,726 sq.yd. various streets, to Trompeter & Sons, Peru, $117,919. Noted Jan. 14.

Ia., Albia — Bd. Supervs. Monroe Co., improving 9.87 mi. Federal Aid Project 240-A and B, grading, to Naylon Bros., Omaha, Neb., $37,000; and culverts, to A. Emmert, Newton, $17,000. Noted Feb. 11.

Ia., Battle Creek—Grading, curbing, guttering and asphaltic concrete on 5 in. concrete paving 57,794 sq.yd. various streets, to Western Asphalt Paving Co., 1st and Nebraska Sts., Sioux City, $148,000. Noted Jan. 28.

Ia., Corydon—Bd. Supervs. Wayne Co., improving 9.336 mi. Corydon Rd., Federal Aid Project 237, 218,808 cu.yd. excav., 435,300 yd. overhaul, etc., to J. C. Parquette, 2347 Capitol St., Des Moines, $66,891. Noted Feb. 11.

Kan., Topeka—For 6 in. concrete paving 32,698 sq.yd. various streets, to C. A. Ramsey, Topeka, $74,369.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Eyermann Bros. Constr. Co., 1216 South Grand Blvd., brick paving 3,510 sq. yd. Virginia St. $21,567, to Parkinson Bros. Constr. Co., 3237 Carter Ave., 2,705 sq.yd. Scott Ave. $20,366, 1,695 sq.yd. Wilson Ave., $10,777; to Skrainka Constr. Co., Security Bldg., concrete paving 5,660 sq.yd. McCune St., $25,214; to Central Paving & Constr. Co., 6161 Maple Ave., Warrenite paving 14,410 sq.yd. Cass Ave., $41,560; to Webb-Boone Paving Co., 5103 Fyler Ave., asphaltic concrete paving 710 sq.yd. Dewey St. $4,767, 1,235 sq.yd. DeTony St. $7,919, 1,300 sq.yd. Walnut St. $8,459, and to Trinidad Asphalt Mfg. Co., Rankin Ave., 3,035 sq.yd. Walnut St., $19,900. Grand total $160,529.

Ark., Siloam Springs—Grading, curbing, guttering and rein.-con. paving, etc., 28,000 sq.yd. Paving Dist. 4, and 1,705 ft. 15- to 24-in. storm sewers to E. H. Locher, Okmulgee, $81,504; also bridge on street, to W. L. Miller, Siloam Springs, $7,859.

Tex., Abilene—Warrenite bitulithic paving 14 blocks North 2nd St. from Almond St. to city limits, and Highland Ave. from Dallam to 8th Sts., to West Texas Constr. Co., Abilene, $3.03 and $2.27 per sq.yd. respectively. Engrs. est. approximately $35,000.

Tex., Austin—Travis Co., clearing, bridging and grading 5.345 mi. State Highway 29, State Aid Project 634, 26 ft., 7,581 lb. reinforcing, to Smith-Boyette Co., Bryan, $38,701. Engrs. est. $34,000. Noted Jan. 21.

Tex., San Antonio — Bexar Co., gravel surfacing 10 mi. St. Hedwig and Abbot Rds., 18 ft., to C. M. Kelly, 506 Pershing St., $35,000.

Tex., Tulia—For 2½ in. brick on 4 in. concrete paving 47,000 sq.yd. various streets, to Jordan Constr. Co., Plainview, $131,806. Engrs. est. $140,000.

Tex., Wichita Falls — Rein.-con. paving 11 blocks Polk St. from 6th to 7th Sts., Sunset Dr. and Elizabeth St., to L. E. Whitham & Co., Wichita Falls, $3 per yd., engrs. est. $32,000; also 2 in. Willite on 5 in. concrete paving 8 blocks Avenues O and N, to Plains Paving Co., c/o Staley Bldg., $3 per yd., engrs. est. $36,400.

Tex., Wichita Falls—Willite on 5 in. concrete paving 5 blocks Taft St., to Plains Paving Co., Wichita Falls, approximately. $35,000.

Okla., Clinton — Grading, curbing and sheet asphalt paving 5,630 sq.yd. Modell Ave., to Western Paving Co., Tradesmens Bldg., $28,590. Engrs. est. $29,115.

Okla., Frederick — To Western Paving Co., Tradesmens Bldg., Oklahoma City, Warrenite bitulithic paving various streets in Impvt. Dist. 7 $20,849, Impvt. Dist. 8 $38,798, and Impvt. Dist. 9 $3,529. Grand total $63,176. Noted Feb. 25.

Okla., Hobart — Grading, curbing and concrete paving 10,800 sq.yd. West 3rd St., to Ward-Beekman & Brooks, Guthrie, $35,306. Engrs. est. $36,610.

Calif., Culver City—For 1½ in. Warrenite bitulithic on 4½ in. bituminous concrete paving, etc., Jefferson St., to Braun, Bryant & Austin, California Bldg., Los Angeles, $53,765.

Calif., Hanford — E. F. Pickerill, clk. King Co., asphalt paving 2 mi. highway from Armona easterly, to California Constr. Co., 58 2nd St., San Francisco, $39,535. Noted Feb. 18.

Calif., Los Angeles—To Baker & Vigus, Los Angeles, curbing, walks, concrete paving, etc. Frigate Ave. between J and Anaheim Sts., $30,997; to G. H. Oswald, 366 East 58th St., concrete and asphaltic concrete paving, curbing, walks, etc. on 3rd St. between Harbor Blvd. and Pacific Ave. $78,750, San Marino St. between Magnolia St. and Kingsley Dr. $50,756, and Manchester Ave. between Western and Van Ness Aves. $31,672. Grand total $192,175. Noted Feb. 11 and 25.

Calif., Monrovia—Meline Co., Pasadena, grading, curbing, guttering, walks, etc. on Chateau Park Tract, here, to Stansbury Constr. Co., H. W. Hellman Bldg., Los Angeles, approximately $45,500. Noted Jan. 28.

Calif., Riverside—To R. T. Shea Co., 169 West 7th St., improving Grand Ave., 119,888 sq.ft. macadam paving $0.128 per sq.ft., 12 in. corrugated culverts $1.75, 10 in. $1.50, and 18 in. concrete culverts $3.

Calif., San Diego — A. H. Wright, city clk., improving Muir Ave., to G. R. Daley, 4430 Boundary St., $36,067; also Essex, Herbert and Vermont Sts., to Griffith Co., 25 14th St., $39,397. Noted March 4.

Calif., San Diego—San Diego Co., sidewalks, curbing, 2½ in. on 3½ in. asphaltic concrete paving, etc., Kettner Blvd., to R. E. Hazard Contg. Co., Kettner Blvd., $100,067. Noted Jan. 7.

Calif., Whittier—Grading, curbing, walks and 78,765 sq.ft. 6 in. and 110,435 sq.ft. 5 in. concrete paving, etc. portion of Philadelphia St., to Griffith Co., Railway Bldg., Los Angeles, approximately $75,915. Noted Mar. 4.

Washington—State Hy. Dept., Olympia, grading, crushed rock surfacing, etc., 7,600 cu.yd. State Rd. 10, Okanogan Co., to Cole & Strong, Riverside, $29,887, and 7,800 cu. yd. State Rd. 10, Chelan Co., to F. G. Redman, 206 South 4th Ave., Yakima, $6,080; also grading, etc., 442,000 cu.yd. State Rd. 12, Cowlitz Co., to R. B. Magruder, Clatskanie, Ore., $82,098. Grand total $118,065.

Wash., Seattle—Bd. Pub. Wks., concrete sidewalks on 8th Ave. N. E. et al, to Paduano & Crisman, 1546 12th Ave. S., $41,621.

Wash., Seattle—Comrs. King Co., paving 15 mi. North 85th St., to J. L. Smith, 304 West 36th St., $45,497; engrs. est. $50,000; and grading, etc. 3 mi. Des Moines-Kent Highway, to A. C. Georig, Pantages Bldg., $50,962, engrs. est. $50,000.

Ont., Toronto—York Twp., concrete curbing, guttering and bituminous concrete on concrete paving 2,100 ft. Rogers Rd. from Oakwood Ave. to Dufferin St. F. B. Goedike, 40 Jarvis St., engr.

Buildings—Commercial

Proposed Work

Mass., Malden (Boston P. O.)—MUNICIPAL—City, Mayor's Office, City Hall, plans municipal building. $525,000. Engineer and architect not selected.

Mass., Salem—GARAGE—City, City Engineer, City Hall, plans municipal garage, etc., Howard St. $150,000. Architect not selected.

Mass., Worcester—AUDITORIUM—City, Pub. Building Dept., City Hall. plans auditorium. $200,000. Engineer and architect not selected.

Mass., Worcester—APARTMENT—Lincoln Constr. Co., c/o McFarland & Laurie, archts., 160 Newbury St., Boston, having preliminary plans prepared brick and steel, Chestnut St. $375,000.

Mass., Worcester — EXCHANGE — New England Telephone & Telegraph Co., Mechanic St., having plans prepared by Denmore, LeClear & Robbins, 31 St. James St., Boston, exchange, Elm and Chestnut Sts. $150,000.

Conn., Bridgeport — CLUB — Algonquin Club, 211 State St., had plans prepared by E. G. Southey, 983 Broad St., 2 story and basement, 95 x 110 ft., brick and steel, Broad and Gilbert Sts. $200,000. Noted Jan. 28.

Conn., Hartford—TEMPLE—Blue Lodges (Masonic) O. J. Hart, chn., having plans prepared by F. I. Cooper, 983 Main St., 4

Buildings—Commercial (Continued)

story and basement, brick and steel, Farmington Ave. $650,000. Noted Feb. 2.

N. Y., Albany — APARTMENT — J. P. Sewall, 378 Morris Ave., having plans prepared by W. McCullough, engr. and archt., 25 West 44th St., New York City, 7 story, brick, steel and stone, plain foundation, Hudson Ave. $850,000.

N. Y., Albany—GARAGE—F. Braun, 29 Hamilton St., Albany, having plans prepared by O. Goldschlag, engr. and archt., 1428 Bway., New York City, 2 story, rein.-con., brick and steel, plain foundation, Hamilton St. $150,000.

N. Y., Albany—HOTEL and STORE—Metropolitan Realty Co., c/o C. H. Crane, engr. and archt., 345 Madison Ave., New York City, having plans prepared brick, steel and stone, plain foundation, State and Lodge Sts. $4,000,000.

N. Y., Brooklyn—APARTMENT—Brooklyn Realty Co., c/o Shampan & Shampan, engrs. and archts., 188 Montague St., having plans prepared 12 story, brick, steel and stone, plain foundation, Eastern Parkway. $1,500,000.

N. Y., Brooklyn—BANK and OFFICE—Manufacturers Trust Co., 139 Bway., New York City, having plans prepared brick, steel and stone, plain foundation, Bway. and Sumner Ave. $400,000. Private plans.

N. Y., Brooklyn—COMMUNITY—Jewish Centre, 667 Eastern Parkway, soon takes bids 4 story, brick, steel and stone, plain foundation, Ocean Parkway. $350,000. Block & Hesse, 18 East 41st St., New York City, engrs. and archts. Noted Jan. 28.

N. Y., Brooklyn—THEATRE—Famous Players Lasky Corp., 485 5th Ave., New York City, plans brick, steel and stone, plain foundation, Flatbush and Snyder Aves., here. $1,000,000. Engineer and architect not selected.

N. Y., Lockport—MASONIC TEMPLE—Masonic Lodge having preliminary plans prepared by H. J. Cook, 408 Pearl St., Buffalo, for Masonic temple. $150,000.

N. Y., Montauk—HOTEL—Montauk Beach Development Corp., C. G. Fisher, 52 Vanderbilt Ave., New York City, soon lets contract brick, steel and stone, plain foundation, here. Schultze & Weaver, 17 East 49th St., New York City, archts.

N. Y., New York — APARTMENT — Caughey & Evans, engrs. and archts., 29 West 34th St., preparing plans 13 story, brick, steel and stone, West 58th St. $800,000. Owner's name withheld.

N. Y., New York—HOTEL—Luigi Gerbino, c/o Schwartz & Gross, engrs. and archts., 347 5th Ave., having plans prepared 22 story, brick, steel and stone, plain foundation, West End Ave. and 92nd St. $4,000,000.

N. Y., New York—HOTEL—A. Kosofsky, c/o Hudson Bay Fur Co., 662 6th Ave., having plans prepared by F. P. Platt & Bro., engrs. and archts., 221 West 57th St., 26 story, 45 x 75 ft., brick, steel and stone, plain foundation, 6th Ave. and 46th St. $1,000,000.

N. Y., New York—OFFICE—Federation for Support of Jewish Philanthropic Societies, c/o Buchman & Kahn, engrs. and archts., 49 West 45th St., having plans prepared 17 story, brick and steel, plain foundation, 67-71 West 47th St.

N. Y., New York—THEATRE—A. E. Erlanger, 214 West 42nd St., having plans prepared by Warren & Wetmore, engrs. and archts., 16 East 47th St., brick, steel and stone, plain foundation, 246 West 44th St. $1,000,000.

N. Y., Syracuse—OFFICE—Mar. 10, by Syracuse Post Standard, brick, steel and stone, plain foundation. $1,000,000. M. L. King, Denison Bldg., archt.

Pa., Altoona — THEATRE — Silverman Bros., 1510 11th Ave., having plans prepared by Hodgens & Hills, 130 South 15th St., Phila., 1 story and basement, brick and steel, 12th St. $150,000.

Pa., Phila.—BANK—W. Penn Title & Trust Co., c/o J. F. Bradley, archt., 1121 Filmore Ave., having plans prepared 4 story and basement, 32 x 90 ft., rein.-con., granite and steel, plain foundation, Market and Edgewood Sts.

Pa., Waynesburg—HOTEL—Ft. Jackson Hotel Co. having plans prepared by Bartholomew & Smith, Keenan Bldg., Pittsburgh, 4 story and basement, 60 x 180 ft., brick, stone and steel, Main St. $300,000.

Md., Baltimore—GARAGE—Ramp Building Corp., 21 East 40th St., New York City, having plans prepared 5 story, 100 x 100 ft., rein.-con., plain foundation, Water St. near South St., here. $300,000. F. W. Moe, c/o owner, ch. engr.

Md., Baltimore—INDUSTRIAL HOME—Salvation Army, Sharp and Montgomery Sts., having plans prepared by W. W. Emmart, Union Trust Bldg., 3 story, 80 x 100 ft., brick and steel, plain foundation, Fremont, Briscoe and Henrietta Sts. $150,000. Noted Feb. 4.

D. C., Wash.—OFFICE—United Brotherhood of Carpenters & Joiners of America, Local 132, soon takes bids 8 story, 50 x 100 ft., rein.-con., brick and Indiana limestone, 10th and K Sts. O. H. Miller, McLachlen Bank Bldg., archt.

N. C., Charlotte—TEMPLE—Oasis Temple Shriners of Western North Carolina plan stone temple, 80 ft. high, East Morehead St. and Dillworth Rd. $500,000. W. S. Liddell, 600 East Ave., secy. Engineer and architect not announced.

N. C., Greensboro—BANK and OFFICE—Greensboro Bank & Trust Co., having plans prepared by C. C. Hartmann, Greensboro, 12 story, granite and marble first 2 story, brick other 10 story, Elm St. $1,000,000.

N. C., Knollwood (mail Aberdeen) — HOTEL—Mid-South Hotel Corp., Southern Pines, (R. Page, Aberdeen, interested), plans 200 room, fireproof hotel, Midlands Rd., here. $1,000,000.

Fla., Ft. Lauderdale—HOTEL—W. H. Marshall, had plans prepared by J. M. Peterman, 346½ Los Olas Bldg., 11 story, steel, tile and rein.-con., on 75 x 130 ft. site, Las Olas Blvd. $500,000. A. Belsam, 420 Calumet Bldg., engr.

Fla., Jacksonville — HOTEL — George Washington Hotel soon lets contract 12 story, brick and steel hotel, plain foundation. Marsh & Saxelbye, West Bldg., archts. and engrs.

Fla., Leesburg—LODGE—Herman Lodge 27, Knights of Pythias, L. M. Johnson, chn., plans 5 story lodge, 3rd St. $150,000.

Fla., Miami—THEATRE—Robertson & High, 928 Flagler St., had plans prepared by G. E. T. Wells, Exchange Bldg., theatre, 2,500 seating capacity, incl. 11 stores and shops, on 140 x 200 ft. site, 8th St. and 8th Ave. $200,000.

Fla., Miami Beach—THEATRE—G. E. T. Wells, archt., Exchange Bldg., soon lets contract 2 story, 2,000 seating capacity, incl. stores and arcade, rein.-con. and tile, Collins Ave. and Biscayne St., for Smith Co. Inc.

Fla., Perry—HOTEL—Community Hotel having plans prepared by F. A. Winn, Citizens Bank Bldg., Tampa, rein.-con. hotel. $350,000.

Fla., Wildwood — THEATRE — M. M. Toddy, et al., having plans prepared by Avery & Round, St. Petersburg, theatre. $150,000.

Miss., Meridian—HOTEL—Meyer Bros. having plans prepared by P. J. Krouse, Meridian, 8 or 10 story, 156 room, 21st Ave. and 5th St. $150,000 plus. Noted Mar. 4.

La., New Orleans—OFFICE—Huszagh & Hill, archts., 6 North Michigan Ave., Chicago, Ill., preparing plans and take bids about May 1, 6 story and basement, 100 x 125 ft., rein.-con. and stone, here, for Pan Amer. Petroleum Corp., New Orleans.

O., Akron — WAREHOUSE — Saalfield Publishing Co., Miller Ave. and High St., plans 6 story and basement warehouse adjoining present building. $150,000.

O., Cincinnati — APARTMENT — W. A. Marqua, 3456 Vine St., having plans prepared by J. G. Steinkamp & Bros., Mercantile Library Bldg., 3 story and basement, 90 x 105 ft., rein.-con. and brick, plain foundation, Reading Rd. $150,000.

O., Cleveland — APARTMENT — J. E. Sague, 2087 Abington Rd., had plans prepared by H. T. Jeffrey, 10308 Euclid Ave., 3 story and basement, 55 x 111 ft., brick, 2034 Cornell Rd. $150,000.

O., Cleveland—COMMERCIAL APARTMENT and GARAGE—Detroit-Hird Impvt. Co., c/o M. S. Galvin, Guarantee Title Bldg., had plans prepared by A. W. Harris, Guarantee Title Bldg., 1 and 2 story and basement, brick, steel and concrete, Detroit Ave. $150,000.

O., Cleveland — POLICE STATION — City, W. R. Hopkins, mgr., City Hall, having plans prepared by H. Kregelius, 604 City Hall, 2 story and basement, 85 x 102 ft., brick, steel and concrete, East 37th St. and Longwood Ave.

O., Cleveland—SALES and STORAGE—Studebaker Corp. of American, c/o E. R. Parker, 2000 Euclid Ave., having plans prepared by W. S. Ferguson Co., 1900 Euclid Bldg., 2 story, 105 x 140 ft., brick, steel and concrete, West 117th St. $150,000.

O., Columbus—HOTEL—H. M. Frech, Worthington, having revised plans prepared by R. Sims, Grand Theatre Bldg., 7 story and basement, 62 x 133 ft., rein.-con. and brick, Town and Pearl Sts. $350,000.

O., Columbus — MUNICIPAL — City had plans prepared by Allied Architects Assn., 82½ East Broad St., 5 story and basement, concrete, stone and steel, Water St. between Broad and Gay Sts. $900,000.

O., Lakewood (br. Cleveland)—STORAGE—Lakewood Fireproof Storage Co., J. J. Gund, pres., 14401 Detroit Ave., Cleveland, having plans prepared by W. S. Ferguson Co., 1900 Euclid Bldg., Cleveland, 6 story and basement, brick and concrete addition, Detroit and Lincoln Aves. $150,000.

Ind., Indianapolis — GARAGE, etc. — Indianapolis Power & Heat Co., W. C. Marmon, pres., Monument St., plans 1 story, brick garage, also 1 story, brick material and creosoting plant for impregnating poles, Morris St. and Belt Ry. tracks. $200,000.

Ind., South Bend — THEATRE — J. Hendelsman, 363 Oliver Annex, had plans prepared by Vitzthum & Co., 605 North Michigan Ave., Chicago, Ill., 8 story, 130 x 260 ft., brick, steel and rein.-con., 3,000 seating capacity, Michigan and Colfax Sts. $1,000,000. Orpheum Circuit Motion Picture Co., 220-22 North Michigan St., lessee.

Ind., South Bend — THEATRE — Natl. Theatrs Co., having plans prepared by R. B. Williamson, 405 Bway., Milwaukee, Wis., 66 x 165 ft., 50 ft. high, 2,000 seating capacity, incl. 2 storerooms, 1115 South Michigan St. $300,000.

Ind., Sunnyside (mail Indianapolis) — HOSPITAL — Bd. Comrs. Marion Co. (Indianapolis) having plans prepared by Harrison & Turnock, 500 Bd. Trade Bldg., Indianapolis, hospital, here. $350,000. H. S. Hatch, supt. Noted Jan. 7.

Mich., Detroit — APARTMENT — M. H. Finkel, archt., 1333 Book Bldg., takes bids about Mar. 15, 6 story and basement, 169 x 150 ft., brick and steel, plain foundation, Euclid Ave., for J. Polsky, c/o architect.

Mich., Detroit—GARAGE—Vinton Co., 12-225 General Motors Bldg., Detroit had plans prepared by Wiedmaier & Gay 51 Campau Bldg., 2 story and part basement, 100 x 140 ft., rein.-con. and brick, plain foundation, Dexter Blvd. and Rochester Ave. $150,000.

Mich., Detroit—HOTEL and THEATRE—Allen Realty Co., c/o Kohner & Payne, archts., 405 Kresge Bldg., Detroit, having plans prepared 4 story and part basement, 110 x 160, rein.-con. and brick, plain foundation, Schafer Rd. $275,000.

Ill., Chicago—APARTMENT HOTEL—W. Reichert, archt., preparing plans and takes bids in April or May, 17 story, brick and terra cotta, South Lake Shore Dr. near 55th St., for Flamingo Hotel Corp., c/o architects. $2,000,000.

Ill., Chicago — BANK — Calumet Natl. Bank, 9117 Commercial St., having plans prepared by J. Eberson, 212 East Superior St., bank building on 125 x 135 ft. site, 91st St. and Commercial Ave. $1,000,000.

Ill., Chicago — CLUB — Michaelsen & Rognstod, archts., 3815 West Congress St., takes bids about Apr. 1, 12 story and basement, 137 x 158 ft., brick and terra cotta, Madison St. and Hamlin Ave., for Mid-West Athletic Club, F. A. Alden, pres., 4004 West Madison St. $2,500,000. Noted Oct. 22.

Wis., Milwaukee — HOTEL — Schroeder Hotel Co., 86 Michigan St., having preliminary plans prepared by Holabird & Roche, 104 South Michigan Blvd., Chicago, Ill., 17 story and basement, 150 x 200 ft., brick and steel or brick and concrete, Grand Ave. and 5th St. $4,000,000.

Wis., Milwaukee—SERVICE—Mack International Truck Co., 419 Prospect Ave., had plans prepared by S. S. Joy, 2001 West Pershing Rd., Chicago, Ill., 1 story, 192 x 425 ft., brick and steel, plain foundation, Highbury Place and Blue Mound Rd. $325,000.

Wis., Portage — THEATRE — Fischer Paramount Theatres, Inc., 36 State St., Chicago, Ill., plans 2 story, rein.-con., brick and steel, plain foundation, here. $150,000. Engineer and architect not selected.

Wis., Richland Center—HOTEL—G. A. Joachim, c/o Park Hotel, having plans prepared by A. S. Conover, Tenney Bldg., Madison, 4 story and basement, 60 x 150 ft., brick, rein.-con. and steel, plain foundation.

Wis., Winnebago—ASYLUM—State Bd. Control, A. W. Bagley, secy., State Capitol, Madison, having plans prepared by A. Peabody, Madison, 1 story and basement, 50 x 125 ft., rein.-con., brick and steel, plain foundation. $150,000.

Ia., Cedar Rapids — WAREHOUSE and OFFICE — Three-Minute Cereals Co., J. C. Reid, pres. and genl. mgr., making plans 4 story and basement, rein.-con. and brick warehouse and office building. $150,000. Engineer and architect not available.

Ia., Des Moines—EXPOSITION—G. E. Hamilton, convention secy. Chamber Commerce, plans large municipal exposition building on Des Moines River, for City. $2,000,000-$3,000,000.

Minn., Rochester — CITY HALL and COMMUNITY CENTER — A. F. Wright, city clk., plans 3 story and basement, rein.-con. and brick city hall and community center, here. $200,000. Engineer and architect not announced.

Neb., Omaha — MERCANTILE — W. H. Schmoller, 1512 Dodge St., making preliminary plans 6 story and basement, brick and fireproof, 1517 Douglas St. $300,000. Engineer and architect not selected.

Buildings—Commercial (Continued)

Mo., Kansas City—BANK and OFFICE—City Bank, 1801 Grand Ave., having plans prepared by Holden, Ferris & Barnes, 1020 Pioneer Trust Bldg., 7 story (ultimately 12 story) and basement, 85 x 115 ft., rein.-con. and brick, 18th St. and Grand Ave. $600,000. Noted Aug. 20.

Mo., Sedalia — MASONIC TEMPLE — Masonic Temple Assn., E. J. Evans, secy., making preliminary plans 2 and 3 story and basement, brick, concrete and stone temple. $200,000. Engineer and architect not selected.

Mo., St. Louis — COMMERCIAL — Von Hoffman Realty & Investment Co.,: 109 South 9th St., soon takes bids 7 story and basement, 127 x 145 ft., rein.-con., brick and steel, 9th and Spruce Sts. $250,000. E. Preisler, Title Guaranty Bldg., archts.

Ark., El Dorado—BANK and OFFICE—Exchange Realty Co., Exch. Bank Bldg., takes bids about Apr. 1, 10 story, 100 x 100 ft., rein.-con., brick, steel and stone, Washington and Oak Sts. Mann & Stern, 705 A. O. U. W. Bldg., Little Rock, archts.

Ark., El Dorado—COURT HOUSE and JAIL—Union Co. soon takes bids 4 story, rein.-con. and stone court house and jail. $325,000. Mann & Stern, 708 A. O. U. W. Bldg., Little Rock, archts. Noted Jan. 14.

Tex., Corpus Christi—HOTEL—Nueces Hotel Co. having plans prepared by A. B. and R. M. Ayres, c/o Bedell Bldg., San Antonio, 6 story, part basement, rein.-con., brick and stone addition, plain foundation, also constructing engine room. $300,000.

Tex., Corpus Christi—OFFICE—H. C. Wood & associates, c/o Travis Bldg., San Antonio, having plans prepared by Kelwood Co., engrs. and archts., Travis Bldg., San Antonio, 7 story and basement, 50 x 100 ft., rein.-con., brick and stone office, here. $225,000.

Tex., San Antonio—CLUB, HOTEL and THEATRE — San Antonio Turn Verein Club, A. Von Jess, secy., purchased site and having plans prepared by L. Harrington & Co., c/o Builders Exch. Bldg., 10 story, 80 x 120 ft. hotel, 4 story basement, and roof garden club, rein.-con., brick and tile, plain foundation. Houston & Nacogdoches Sts. $1,500,000. Noted Jan. 1.

Tex., San Antonio—HOTEL—St. Anthony Hotel (W. N. Robinson, owner), having plans prepared by A. B. & R. M. Ayres, Bedell Bldg., 12 story, 118 x 170 ft., rein.-con., brick and stone, plain foundation, Travis and Navarro Sts. $1,600,000.

Okla., Enid—HOTEL—M. C. Garber had plans prepared 6 story and basement, 50 x 140 ft., rein.-con. and brick addition, plain foundation, Randolph St. $150,000. Engineer and architect not announced.

Okla., Poteau — COURT HOUSE — Le Flore Co. having plans prepared by C. Wheeler, 201 Merchants Natl. Bank Bldg., Ft. Smith, Ark., 2 story and basement court house, Main St. $175,000.

Okla., Tulsa—CIVIC—Chamber of Commerce, c/o A. L. Farmer, chn. building comn., had plans prepared by Rush, Endicott & Rush, 404 New Wright Bldg., and soon takes bids 7 story and basement, 63 x 130 ft., rein.-con., brick, steel and stone, plain foundation, 5th and Cincinnati Sts. $150,000. Noted Dec. 31.

Okla., Tulsa—OFFICE—Tulsa Building & Loan Assn., 4 East 5th St., had plans prepared by Rush, Endicott & Rush, New Wright Bldg., and soon takes bids 9 story and basement, 50 x 100 ft., rein.-con. and brick, 4th and Boston Sts. $250,000. Noted Nov. 26.

Okla., Weatherford—CITY HALL—City having preliminary plans prepared by J. C. Fisher, Weatherford, 2 story and basement, 125 x 140 ft., brick community house and city hall, Custer St. $150,000.

Wash., Seattle—APARTMENT—Stephen, Stephen & Brust, archts., Thompson Bldg., soon lets contract 3 story, 85 x 195 ft., con.-crete and brick, North 53rd St. and Phinney Ave., for Bjornstad & Berg, 507 North 63rd St. $190,000.

Wash., Seattle — OFFICE — L. Svarz, archt., Bond Bldg., takes bids about Mar. 23, 6 story and basement, 110 x 120 ft., rein.-con., terra cotta and marble, 5th and Pike Sts., for Campion Investment Co., Bond Bldg. $350,000.

Ore., Astoria—HOSPITAL—Sisters of Charity purchased site and plan hospital on same. $250,000.

Calif., Fresno—APARTMENT-HOTEL—Syndicate, c/o A. Braverman, mgr., Griffith-McKenzie Bldg., plans fireproof, Orchard Hill Tract. $500,000.

Calif., Los Angeles—APARTMENT—H. Greenbaum, (representing owner), c/o R. D. King, archt., Van Nuys Bldg., had plans prepared 5 story and basement, 80 x 140 ft., rein.-con., McCadden Pl. $175,000.

Calif., Los Angeles — APARTMENT — W. G. McCarty, c/o Walker & Eisen, archts., Great Republic Bldg., had plans prepared 8 story and basement, rein.-con., brick and steel, Wilshire Blvd. To exceed $750,000.

Calif., Los Angeles—APARTMENT—G. Wurzinger, c/o W. Bruce, archts., 4221 South Bway., having plans prepared 5 story and basement, brick, South Grand Ave.

Calif., Marysville—THEATRE—Golden State Theatre Corp., 86 Golden Gate Ave., San Francisco, having plans prepared by A. H. Lamb, Plaza Bldg., theatre, 1,700 seating capacity, here. $250,000.

Calif., Sacramento—THEATRE—Hippodrome Theatre, (Golden State Theatre Corp., 86 Golden Gate Ave., San Francisco), having plans prepared by A. H. Lamb, Plaza Bldg., reconstructing and additions to theatre, K St., here. $150,000.

Calif., San Francisco — ARCADE and OFFICE—F. W. Leis, 105 Montgomery St., having sketches made by A. L. Worswick, 700 Octavia St., 12 story and basement, arcade and office building, near Market and Fulton Sts. $1,000,000.

Calif., San Francisco—STORE and LOFT—San Francisco Realty Co., c/o J. H. Hjul, engr., 128 Russ St., having plans prepared 4 story, rein.-con., Mission St. near 7th St. $150,000.

Calif., Stockton—EXCHANGE and OFFICE—Pacific Telegraph & Telephone Co., Telephone Bldg., San Francisco, having plans prepared by E. V. Cobby, 444 Bush St., San Francisco, 100 x 100 ft., steel and rein.-con., Lindsay and San Joaquin Sts., here. $1,500,000.

Ont., Thistletown—HOSPITAL—Hospital for Sick Children, 67 College St., Toronto, plans 2 or 3 story and basement, rein.-con., brick and steel, plain foundation, here. $500,000. Engineer and architect not selected.

Ont., Toronto—APARTMENT—Bloor St. George Realty Co., 357 Bay St., Toronto, had plans prepared by Marani & Paisley, archts., 35 Colborne St., 4 story and basement, rein.-con., brick and steel, plain foundation, Bloor St. $750,000.

Ont., Toronto — HOSPITAL — University of Toronto, Queens Park, plans 3 or 4 story, rein.-con., brick and steel, plain foundation, College St. $250,000. Engineer and architect not selected.

Sask., Regina—HOTEL—Canadian Pacific Ry., 230 St. James St., Montreal, Que., having plans prepared by Ross & MacDonald, 1 Belmont St., Montreal, Que., hotel, here. $700,000.

Bids Desired

Mass., Amherst — THEATRE — Lauder Bros., Federal St., Greenfield, taking bids 2 story and basement, brick and steel, Amity and Pleasant Sts., here. $150,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts. Noted Mar. 4.

Mass., Cambridge (Boston P. O.) — APARTMENT — See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—HOTEL—See "Contracts Awarded."

Pa., Phila.—STORE—Mar. 16, by Ritter & Shay, archts., Packard Bldg., 10 story and basement, 23 x 200 ft., rein.-con., brick and steel, plain foundation, 929 Market St., for H. C. Kahn & Son, 11th and Filbert Sts. $500,000.

Md., Sykesville—HOSPITAL—Mar. 22, by H. P. Hopkins and A. Burton, archts., 347 North Charles St., 2 story, 40 x 90 ft. men and women's buildings, plain foundations, for Springfield State Hospital. $150,000.

Ala., Fairfield—CITY HALL—Mar. 20, by City Clerk, 2 story, 150 x 200 ft. city hall, Main St. $150,000. Warren, Knight & Davis, Empire Bldg., Birmingham, archts.

Ala., Mobile—WAREHOUSE—Mar. 31, by Alabama State Docks Comn., W. T. Sibert, chn., State Office Bldg., cotton warehouse, 900 ft. long, 230 ft. wide; adv. E. N.-R. Mar. 11.

O., Cleveland—COMERCIAL and HOTEL—N. Petti, archt., Williamson Bldg., taking bids 5 story and basement, 72 x 82 x 98 ft., brick, steel and concrete, 6024 Euclid St., for J. Babin, 9709 Euclid Ave. $300,000. A. G. Simon, Hippodrome Bldg., engr.

O., Cleveland — TEMPLE — Brooklyn Masonic Temple Co., c/o G. Orr, Rose Building, taking bids 5 story and basement, brick, steel and concrete, West 25th St. $300,000. D. H. Farnam, The Arcade, archt.

Mich., Belle Isle (mail Tobins Harbor) —CLUB HOUSE—C. Kotting, archt., 2306 Dime Bank Bldg., Detroit, taking bids 2 story, rein.-con. and brick addition, plain foundation, incl. swimming pool, etc., here, for Detroit Boat Club, 714 Union Trust Bldg., Detroit. $150,000.

Mich., Highland Park (br. Detroit) — EXCHANGE—Mar. 18, by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, 2 story and basement, 100 x 146 ft., rein.-con., brick and steel, plain foundation known as Longfellow Office, Highland Ave., here, for Michigan Bell Telephone Co., Cass Ave., Detroit, $150,000.

Mich., Marquette—BANK and OFFICE—Mar. 15, by First Natl. Bank & Trust Co., and Mowbray & Uffinger, archts., 221 West 57th St., New York City, 2 story and basement, 67 x 100 ft., rein.-con. and brick, plain foundation. $200,000.

Ill., Chicago—APARTMENT—Guske & Foster, archts., 750 North Michigan Ave., taking bids 18 story and basement, 100 x 107 ft., rein.-con., brick and stone, 244 Pearson St., for P. M. Gordon, 3167 Pine Grove Ave. $2,450,000.

Ill., Chicago—HOSPITAL—Mar. 29, by H. A. Zender, supt. Pub. Serv. Room 519, County Bldg., Childrens Hospital, 8 story and basement, 48 x 237 ft. with 47 x 75 ft. wing; Mens Ward, 7 story and basement, 47 x 237 ft., also tunnels to connect; Morgue, 3 story and basement, 107 x 134 ft., T shaped; and Receiving Building, 3 story and basement, 170 x 172 ft., H shaped, all concrete and brick, Harrison, Wood, Polk and Lincoln Sts., for Cook Co. $2,500,000. Hall, Lawrence, Rippel & Ratcliffe, 123 West Madison St., archts. Noted Nov. 12.

Ill., Geneva — HOTEL — O. Nelson, 520 Franklin St., taking bids 4 story and basement, 100 x 150 ft., rein.-con., brick and stone, 3rd and State Sts. $200,000. Mundie & Jensen, 39 South La Salle St., Chicago, archts. Noted Dec. 24.

Ill., Glen Ellyn — MASONIC LODGE — Mar. 15, by E. M. Behrns, archt., 605 North Michigan Ave., Chicago, 2 story and basement, 125 x 220 ft., brick and stone, here, for Glen Ellyn Lodge 950 A. F. and A. M. $160,000. Noted Oct. 8.

Wis., Baraboo—HOTEL—Warren Hotel Co., c/o L. H. Hill, pres., taking bids 4 story and basement, 50 x 75 ft., rein.-con., brick and steel, plain foundation. O. J. and R. E. Sorenson, 212 Main St., La Crosse, archts. Noted Mar. 4.

Ia., Davenport—SANITARIUM—Mar. 16, (extended date), by F. Moses, secy., Masonic Grand Lodge of Iowa, F. Moses, secy., 3 story and basement, 38 x 165 ft. and 44 x 101 ft., rein.-con. and brick addition, plain foundation. $150,000. Beuttler & Arnold, 407 Grain Exch. Bldg., Sioux City, archts. and engrs. E. G. Holbrook, 224 Rusholm St., associated archt. Noted Feb. 18.

Mo., Kansas City — HOTEL and THEATRE—See "Contracts Awarded."

Mo., St. Louis — APARTMENT — S. A. Armstrong, c/o Windermere Hotel, taking bids 4 story and basement, 65 ft. x 157 ft., rein.-con., brick and stone apartment and branch post office, 5727 and 5729 Delmar Blvd. $240,000. H. M. Garriott, 1157 Consolidated Bldg., Indianapolis, Ind., engr. O. J. Krieg, Arcade Bldg., archt.

Okla., Arapaho — COURT HOUSE and JAIL—Mar. 22, by Clerk Custer Co., 3 story and basement, 88 x 116 ft., rein.-con., brick and stone, Main St. $150,000. Sorey & Vahlberg, Baniff Bldg., Oklahoma City, archts.

Calif., Pasadena — WAREHOUSE and GARAGE — See "Contracts Awarded."

Calif., San Francisco—BANK and OFFICE—Miller & Pflueger, archts., Lick Bldg., taking bids 3 stroy, rein.-con., 22nd and Mission Sts., for Mercantile Trust Co., 464 California St. $150,000 or more. W. L. Huber, 1st Natl. Bank Bldg., engr. Noted Jan. 7.

Bids Received

Wis., Kenosha—CLUBHOUSE—Lindl & Schutte, archts., 82 Wisconsin St., Milwaukee, 3 story and basement, 84 x 134 ft., brick and concrete, Congress St., from Immel Constr. Co., Dana Bldg., Fond du Lac, for Kenosha Lodge No. 286, L. O. O. M., 163 Main St. $207,000. Noted Feb. 11.

Calif., Berkeley—APARTMENT—T. W. Corder, Inc., c/o J. W. Plachek, archt., Mercantile Bank Bldg., Berkeley, general contract 3 story, rein.-con., Shattuck Ave., from C. H. McCullough, 1634 Berkeley Way, $185,940. Noted Dec. 3.

Contracts Awarded

Mass., Cambridge (Boston P. O.) — APARTMENT — R. Allen, c/o Silverman, Brown & Heenan, archts., 51 Cornhill St., Boston ,will build 4 story and basement, 150 x 150 ft., brick and steel, Irving St., by day labor. $350,000.

Conn., Bridgeport — GARAGE — Mack Motor Co., 673 Connecticut Ave., 1 story, 175 x 196 ft., brick and steel, Ash Creek, to W. R. Muirhead & Son, 948 Main St. Archts. est. $150,000. Noted Jan. 28.

Conn., New Haven—AUDITORIUM and STORE—H. W. Walker, 1225 Seaview Ave., Bridgeport, 1 and 3 story, 150 x 270 ft. and 100 x 220 ft., rein.-con., brick and steel, State and Grove Sts., to Sullivan & McKeown, 937 Dixwell Ave. Archts. est. $500,000.

Buildings—Commercial (Continued)

N. Y., Jamaica—HOSPITAL—Mary Immaculate, 10 story, brick, steel and stone, plain foundation, Shelton Ave., to T. O'Reilly & Son, 415 Lexington Ave. Archts. est. $1,250,000. Noted Feb. 21, 1924.

N. Y., New York — APARTMENT — Arthur Holding Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 5 story, brick, steel and stone, plain foundation, Prospect Ave., by day labor. $300,000.

N. Y., New York—EXCHANGE—New York Telephone Co., 15 Dey St., rein.-con., brick and stone, plain foundation, Thayer St., to Gillies-Campbell Co., 101 Park Ave. Archts. est. $500,000.

N. Y., New York—HOTEL—S. Jacobs, 730 5th Ave., 28 story, brick, steel and stone, plain foundation, 59th St. and 5th Ave., to Schroeder & Koppel, Inc., 347 Madison Ave. $3,000,000.

N. Y., New York—HOTEL—One Hundred Fifty West 58th St. Corp., J. H. Hickey, pres., 43 Exchange Pl., brick, steel and stone, plain foundation, 148 West 50th St., to J. Lowry, Inc., 270 Madison Ave. Archts. est. $275,000.

N. Y., New York — HOTEL — Milnate Realty Co., c/o H. I. Feldman, engr. and archt., 516 5th Ave., will build brick, steel and stone, plain foundation, West 48th St., by day labor. $1,250,000.

N. Y., New York—HOTEL—Manger Hotel, Inc., 7th Ave. and 38th St., 20 story, brick, steel and stone addition, plain foundation, 7th Ave. between 50th and 51st Sts., to Bing & Bing, Inc., 119 West 40th St., New York City.

Pa., Bala-Cynwyd — THEATRE — Bala Theatre Co., c/o Hodgens & Hill, archts., 130 South 15th St., Phila., 2 story and basement, 60 x 202 ft., brick and steel, plain foundation, here, to N. Allarelli Co., 1437 South 8th St., Phila. Archts. est. $150,000.

Pa., McKeesport—STORE—Famous Department Stores, general contract 5 story and basement, 38 x 140 ft., brick and steel addition, Market St., to Blair & Mack, 1032 Mary St. Archts. est. $150,000.

Pa., Phila.—APARTMENT—Lindley Ave. Apartment Corp., c/o J. E. Fieldstein, archt., Otis Bldg., 4 story and basement, 65 x 308 ft., brick and steel, plain foundation, 13th St. and Lindley Ave., to S. Yellen, 222 North 11th St. Archts. est. $500,000.

D. C., Wash. — BANK and OFFICE — Coolidge, Shepley, Bulfinch & Abbott, archts., 122 Ames Bldg., Boston, Mass., bank and office building, 15th and New York Aves., here, to Boyle Robertson Constr. Co., 813 15th St. N. W., for City Central Corp. of Boston. Archts. est. $2,000,000. Noted Feb. 4.

N. C., Charlotte—THEATRE—J. H. Cutter, 2 story, brick and stone, to J. A. Jones Constr. Co., Realty Bldg., $300,000 upwards. Famous Players Lasky Corp., 485 5th Ave., New York City, lessee.

Fla., Ft. Lauderdale — HOTEL and APARTMENT — Chateau Park Corp., Miami, 3 story, 238 x 239 x 337 ft., rein.-con., Michigan Ave., Chateau Blvd. and Bordeaux Ave., to C. F. McKenzie Co., 123 Northeast 3rd Ave., Miami, $500,000.

Fla., Ft. Lauderdale—HOTEL—Croissant Hotel Syndicate, 3 story, rein.-con. and tile, on 300 x 500 ft. site, to LeCuto Constr. Co., Ft. Lauderdale, approximately $350,000.

Fla., Homestead—HOTEL—Palms Hotel, Inc., J. S. Harris, Jr., vice pres., Dixie Pines Hotel, steel and rein.-con., to J. B. McCrary, Wayne Bldg., Miami, and Citizens & Savings Bank Bldg., Atlanta, Ga., $376,000.

Fla., Pensacola — HOTEL — E. Weil, archt., Whitney Bldg., New Orleans, La., 7 story, fireproof addition to San Carlos Hotel, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala. Archts. est. $1,000,000. Noted Dec. 17.

Fla., Tampa—OFFICE—Peninsular Telephone Co., Zack and Morgan Sts., 12 story, 50 x 100 ft., brick, steel and rein.-con., Marion and Zack Sts., to G. A. Miller, 28 Petteway Bldg., $450,000. Noted Feb. 4.

O., Cleveland—APARTMENT HOTEL—Park Hall Co., c/o A. N. Weltman, 3320 Ormond Rd., 6 story and basement, 88 x 255 ft., rein.-con., brick and steel, Ansel Rd., to N. Weltman, 3320 Ormond Rd., Cleveland Heights. Archts. est. $600,000.

O., Cleveland — COMMERCIAL and APARTMENT—One Hundred and Thirtieth Buckeye Co., c/o W. Rosensweig, Society for Savings Bldg., 3 story and basement, 67 x 140 ft., brick, 130th St. and Buckeye Rd., to J. Miller, 10819 Drexel Ave. Archts. est. $175,000. Noted Mar. 4.

O., Cleveland—COTTAGE—State, J. E. Harper, dir. Pub. Welfare, 9th and Oak Sts., Columbus, 2 story and basement, 102 x 140 ft., brick, steel and concrete, Hawthornden Farm, here, to V. W. Surber, 109 North Union St., Akron. Archts. est. $165,000. Noted Feb. 25.

O., Cleveland—DEPOT—H. D. Jonett, engr., Ulmer Bldg., superstructure for Center Tower, 52 story and basement, 98 x 98 ft., concrete, steel and terra cotta, Public Sq., to J. Gill & Sons, Bulkley Bldg., for Cleveland Union Terminal Co., Marshall Bldg. Archts. total est. $8,000,000. Noted Jan. 7.

Mich., Detroit — HOTEL — Detroit Hotel Co., 20 story and basement, 140 x 200 ft., brick, concrete and steel, Bagley and Cass Aves., to Lundoff Bicknell Co., B. F. Keith Bldg., Cleveland, O. Archts. est. $3,500,000.

Ill., Chicago—APARTMENT—Lindbald & Carson, archts., 155 North Clark St., masonry contract 3 story, 125 x 150 ft., brick, 81st St. and Ingleside Ave., to Vagtborg Constr. Co., 351 West 79th St., for C. J. Carlson, 7916 Laflin St. Noted Jan. 28.

Ill., Chicago — APARTMENT — C. H. Schaefer, general contract 3 story, 92 x 108 ft., brick, Sunnyside and Hermitage Aves., to S. Clifford & Co., 111 West Washington St.; masonry, to J. C. Ragner, 2534 Thorndale Ave. Archts. est. $150,000.

Ill., Chicago — APARTMENT — Loyola Building Corp., H. Emerman, pres., 4750 Sheridan Rd., concrete and masonry contract 8 story, 50 x 94 x 143 x 150 ft., rein.-con. and brick, Loyola Ave. on Lake Michigan, to H. Janisch & Co., 1813 Winona St. Archts. est. $475,000.

Ill., Waukegan — BANK — Alschuler, archt., 28 East Jackson Blvd., Chicago, masonry and carpentry contract 6 story, 63 x 90 ft., bank building, here, to H. D. Moreland Co., 3701 Sheffield Ave., Chicago, for Security Savings & Trust Bank. Noted Jan. 21.

Ill., Evanston — APARTMENT and STORE—P. Finley, 111 Washington St., Chicago, general contract 3 story, 100 x 160 ft., and 4 story, 60 x 160 ft., rein.-con., brick and steel, Main St. and Elmwood Ave., here, to A. Lindstrom, 77 West Washington St., Chicago. Archts. est. $700,000. Noted Feb. 4.

Wis., Green Bay—MERCANTILE—Jorgensen-Blesch Co., 303 North Washington St., 4 story, 112 x 160 ft., brick, concrete and terra cotta addition, plain foundation, to J. W. Nerhood, 225 North Catherine St., Appleton. Archts. est. $150,000.

Neb., Lincoln — STORE — Spier Clothing Co., general contract wrecking old building

VIADUCT—JERSEY CITY, N. J.

Bids were opened by State Highway Department, Trenton, for constructing steel viaduct on Route No. 1, Extension No. 1, from (A) Frederick Snare Corp., 114 Liberty St., New York, (awarded contract); (B) C. T. Kavanagh and George B. Spearin, Bayonne; (C) G. DeKimpe, 30 Church St., New York; (D) Public Service Production Co., 80 Park Pl., Newark; (E) J. Mitchell, Inc., 999 Bergen Ave., Jersey City. The unit bids are as follows:

	A	B	C	D	E
Clearing site and demolishing buildings (lump sum)	$16,000.00	$25,000.00	$25,000.00	$10,060.00	$33,310.00
830 lin.ft 18 in. vitrified pipe sewer	11.00	4.60	15.00	8.00	6.66
400 lin.ft. 6 in. vitrified pipe sewer	9.00	1.82	6.00	3.80	1.87
240 lin.ft. 20 in. cast iron pipe drain	25.00	12.73	30.00	11.60	10.19
10 making connections to 8 ft. and 6 ft. 6 in. sewer	100.00	100.00	170.00	24.00	53.70
300 lin.ft. protection of steel sewer	60.00	46.00	75.00	53.30	39.94
9 sewer manhole	170.00	135.00	200.00	169.00	161.22
5 street catch basin	270.00	195.00	230.00	175.00	279.40
60 lin.ft. 12 in. water pipe	12.00	8.00	20.00	6.50	7.28
1,450 lin.ft. 6 in. water pipe	5.00	4.00	7.50	3.57	4.22
10 lin.ft. 4 in water pipe	4.00	3.75	10.00	2.68	2.70
400 lin.ft. 1¼ in. house connection pipe	2.70	2.25	2.50	3.40	2.15
2 hydrants	220.00	150.00	300.00	102.00	193.50
20 stopcocks	20.00	12.00	35.00	12.20	6.45
1,350 lin.ft. 4 in. gas pipe	4.00	3.50	3.00	2.55	2.69
20 lin.ft. 2 in. house connection pipe	3.50	2.50	1.50	.77	.80
400 lin.ft. 1½ in. house connection pipe	2.50	1.75	1.00	.51	.54
2 gas drip	60.00	75.00	50.00	51.00	53.50
20 m. b.m. timber left in place	100.00	110.00	85.00	81.50	96.70
16,460 cu.yd. common excavation	7.50	4.85	10.00	5.55	10.22
180 cu.yd. rock excavation	12.00	20.00	20.00	15.50	16.11
8,510 sq.yd. preparing subgrade	.70	.40	.85	.41	.54
150 cu.yd. sand or gravel fill under sewer pipe	3.00	3.00	4.50	5.85	3.11
100 cu.yd. broken stone fill under foundations	4.00	5.00	6.00	5.45	3.65
1,445 cu.yd. approach fill	4.00	2.65	7.00	5.00	5.55
740 cu.yd. arch fill	4.00	2.65	6.00	6.60	5.30
180 cu.yd. fill in surface streets	3.00	1.50	2.60	1.70	1.94
2,160 lin.ft. timber piles under 45 ft	.70	.90	1.00	.65	.88
75,980 lin.ft. timber piles 45 to 60 ft	.65	.90	1.00	.71	.81
104,120 lin.ft. timber piles over 60 ft	.75	.90	1.00	.79	.75
6,150 lin.ft. concrete piles	2.50	3.15	5.00	3.53	6.02
585 lin.ft. 8 ft. caissons	120.00	182.00	172.50	165.45	183.00
177 lin.ft. 10 ft. 6 in. caissons	170.00	255.00	241.00	231.60	247.00
200 cu.yd. rock excavation normal air pressure	35.00	29.00	27.60	26.50	25.70

	A	B	C	D	E
100 cu.yd. rock excavation compressed air	$50 00	$102 00	$96 60	$92 65	$90 26
6,830 cu.yd. class "C" concrete in floor slabs, columns and arches	28 00	31 50	28 00	33 80	31 47
9,750 cu.yd. class "D" concrete in foundations, piers and walls	22 00	22 00	20 50	19 90	22 10
5,040 lin.ft. balustrade (class "A" concrete)	6 00	10 00	8 00	8 82	7 54
56 posts for lighting (class "A" concrete)	100 00	125 00	150 00	153 43	109 00
1,545 cu.yd. concrete protection of steel structure (class "A" concrete)	50 00	80 00	65 90	81 15	66 99
210,000 sq.ft. cement motor protection	.75	93	.65	93	82
11,450 sq.yd. waterproofing	3 50	1 90	1 60	1 90	3 34
1,910 sq.yd. waterproofing of concrete structures (back of walls)	1 00	50	50	50	58
4,470 ton structural steel	122 00	119 50	120 00	137 00	126 30
355 ton reinforcing rods	110 00	130 00	130 00	220 00	152 56
8 ton wire reinforcing	300 00	245 00	260 00	396 00	530 75
1 ton miscellaneous steel	350 00	320 00	350 00	340 00	269 00
20 ton straight c.i. pipe	170 00	110 00	150 00	142 50	326 70
12 ton special c.i. pipe	220 00	200 00	250 00	237 50	393 25
19 ton miscellaneous iron castings	280 00	210 00	200 00	204 00	174 05
2 ton miscellaneous steel castings	400 00	300 00	300 00	325 00	242 00
300 lin.ft. 4 in. tile drains	.70	50	.35	44	26
15,100 sq.yd. granite block pavement	6 50	7 50	7 00	7 61	6 85
400 lin.ft. granite header	3 50	5 00	3 00	2 45	2 37
3,570 sq.yd. paving streets with present stone blocks	1 80	2 00	2 90	1 72	1 45
1,900 sq.yd. paving streets with recut stone blocks	4 30	3 50	3 00	4 68	2 69
3,500 sq.yd. resetting stone block pavement—adjust old to new pavement	1 80	2 50	2 85	1 45	1 18
3,340 sq.yd. foundation concrete pavement for granite block	4 50	2 70	7 50	3 29	3 76
500 cu.yd. finished surface concrete pavement	5 50	15 00	15 00	17 90	21 73
2,090 sq.yd. concrete sidewalk	3 30	2 75	3 00	2 87	2 71
2,415 lin.ft. concrete curbs (except special)	1 70	1 25	2 00	1 28	1 34
42 cu.yd. special concrete curbs	25 00	30 00	20 00	34 00	25 29
265 lin.ft. resetting curbs	2 00	50	1 50	1 10	1 08
Lighting system (lump sum)	20,000 00	18,000 00	15,946 20	3,128 00	14,358 00
Engineers office (lump sum)	4,500 00	1,000 00	4,000 00	1,000 00	1,075 00
3,340 lb. bronze	1 20	1 50	1 20	1 31	1 24
1,420 lin.ft. concrete pavement joint filler	.50	40	35	41	27
7,000 lin.ft. mastic filler for expansion joints	.50	50	40	28	32
Extended totals	$1,974,833	$2,123,165	$2,155,033	$2,199,014	$2,206,196

Buildings—Commercial (Continued)

and constructing 4 story and basement, 53 x 142 ft., rein.-con. and brick, 10th and O Sts., to Olson Constr. Co., 205 Chapin Bldg., Lincoln, $130,000.

Mo., Kansas City — HOTEL and THEATRE — W. C. Gumm, 3118 Troost Ave., will build 6 story and basement, 45 x 180 x 305 ft., and 128 x 212 ft., rein.-con., brick and terra cotta hotel and theatre. To exceed $150,000. Work will be done by separate contracts.

Mo., St. Louis—AUTO SERVICE—Vesper-Buick Automobile Co., Grand and Lincoln Blvds., 2 story (ultimately 3 story) and basement, 100 x 215 ft., rein.-con. and stucco, Grand Blvd. and Winnebago St., to W. H. Smith-Nelson Cunliff Co., 107 North 7th St. Archts. est. to exceed $150,000. South Side Buick Co., Grand Blvd. and Potomac St., lessee.

Ark., Little Rock—WAREHOUSE—Terminal Warehouse Corp., c/o S. J. Beauchamp, pres., 1910 Summit Ave., 5 story, 142 x 200 ft., rein.-con., brick and steel, Markham St. between Commerce and Sheridan Sts., to W. F. Ault, 2017 Arch St., Little Rock. Archts. est. $500,000. Noted Oct. 29.

Tex., Wichita Falls—HOTEL—L. Morgan, Mineral Wells, remodeling and constructing 2 story, 51 x 150 ft. top addition, here, to Reid & Costley, 520 Staley Bldg., approximately $200,000.

Wash., Aberdeen—OFFICE—A. H. Albertson, archt., Henry Bldg., Seattle, 7 story, 60 x 130 ft., rein.-con., brick and terra cotta, Wishkah and 1st Sts., to Greene Eng. Co., Aberdeen, for F. Becker, Aberdeen. $250,000.

Wash., Zenith — MASONIC HOME — Heath, Gove & Bell, archts., Pacific Savings Bank, Tacoma, 5 story and basement, rein.-con. and steel, here, to Morris Hoard, Inc., Pantages Bldg., Seattle, for Washington State Masonic Home. $441,999. Noted Feb. 25.

Calif., Berkeley—BANK and OFFICE—Mercantile Trust Co., 464 California St., San Francisco, 5 story, brick and rein.-con. annex, Center St. and Shattuck Ave., to W. Sorenson, Scenic and Le Conte Aves., $225,000. Noted May 21, 1925.

Calif., El Centro — HOTEL — Barbara Worth Hotel Co., 6 story and basement, rein.-con. annex, to Lange & Bergstrom, Washington Bldg., Los Angeles, $275,500. Noted Jan. 21.

Calif., Los Angeles—HOTEL—Sun Realty & Investment Co., 742 South Hill St., 13 story and basement, 122 x 150 ft., rein.-con., 7th and Hartford Sts., to Baruch Co., I. W. Hellman Bldg., approximately $1,000,000; steel, to Llewellyn Iron Wks., 1200 North Main St. Noted Jan. 14.

Calif., Los Angeles — STORE and OFFICE — Sun Realty & Investment Co., c/o Curlett & Beelman, archts., Union Bank Bldg., 12 story and basement, 80 x 150 ft., rein.-con., 5th St. and Bway., to McNeil Co., 5860 South Park Ave., approximately $1,000,000. Steel, etc., to Llewellyn Iron Wks., 1200 North Main St.

Calif., Pasadena — WAREHOUSE and GARAGE — Southern California Edison Co., Edison Bldg., Los Angeles, will build 1 story, 85 x 100 ft., rein.-con., vicinity of Logan and Hammond Sts., by day labor. Eng. Dept. of Owners, engrs.

Calif., Sacramento — STORE — O'Brien Bros., 315 Montgomery St., San Francisco, 2 story and basement, rein.-con., J St. between 11th and 12th Sts., to Industrial Constr. Co., 815 Bryant St., San Francisco, $250,000. Noted Feb. 4.

Calif., San Francisco—HOTEL—H. C. Keenan, 110 Sutter St., will build 6 story and basement, brick and steel, Jones St. near Geary St., by day labor. $150,000. H. C. Baumann, 251 Kearny St., archt.

Calif., Santa Monica—CLUB—Breakers Club, Spring Arcade Bldg., 9 story and basement, 125 x 220 ft., rein.-con. and steel, plain foundation, incl. 40 x 105 ft. swimming pool, etc., Marine Terrace and Appian Way, to Fidelity Contr. Co., 709 Hillstreet Bldg., $750,000. Noted Feb. 18.

Sask., Regina—HOTEL—Broders Ltd., 937 Victoria Ave., general contract 4 story and basement, 70 x 175 ft., brick and tile, Rose St., to Poole Constr. Co. Ltd., Regina; plumbing to Vagg-Wilson Co., 1801 Retallack St., $43,000. Archts. total est. $200,000. Noted Jan. 28.

Buildings—Industrial

Proposed Work

N. Y., Buffalo — METALWARE FACTORY—Republic Metalware Co., 80 Tennessee St., plans remodeling factory. $60,000.

N. Y., New York—SERVICE STATION, REPAIR SHOP and GARAGE — Shape, Bready & Peterkin, Inc., engrs. and archts., 50 East 42nd St., preparing plans rein.-con., brick and steel, plain foundation, 337 West 49th St. $700,000. Owner's name withheld.

N. J., Camden—LEATHER FACTORY—Chask Cook Co. having plans prepared by Lackey & Hettel, 5 Hudson Ave., 3 story and basement, brick and steel, plain foundation, 211 South 2nd St. $40,000.

N. J., Glassboro—MACHINE SHOP and FOUNDRY—Advance Machine & Fdry. Co., Glassboro, C. Peterman, pres., 2857 North Palethrop St., Phila., Pa., soon takes bids foundry and machine shop. $70,000.

Pa., Danville—SHIRT FACTORY—H. D. Bob Co., 40 Leonard St., New York City, N. Y. and Minersville, having plans prepared by W. D. Shollenberger, 1522 Scott St., Williamsport, 2 story and basement, 60 x 152 ft. factory, here. $45,000.

Pa., Grove City — DAIRY PLANT — Owner, c/o Brazielt & Anderson, archts., 309 4th Ave., Pittsburgh, having plans prepared 3 story and basement, 75 x 80 ft., rein.-con. dairy plant, here. $225,000.

Pa., Lebanon — SHIRT FACTORY — Phillips Jones Co., Pottsville, having preliminary plans prepared by C. E. Kendrick, Pottsville, 4 story, and basement, approximately 90 x 150 ft. factory, here. $80,000.

Pa., Tarentum — WATER and LIGHT PLANT—City plans improving water and light plant. $225,000. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.

Md., Baltimore—BAKERY—Ward Baking Co., 362 Southern Blvd., New York City, having revised plans prepared by C. B. Comstock, 110 West 40th St., New York City, 2 story and basement, brick, plain foundation, Pennsylvania R.R. tracks and Lanvale St., here. $300,000. Noted Oct. 8.

Fla., Clearwater — POWER PLANT — Pinellas Power Co., purchased site and plans power plant, Vine St. $50,000.

Ala., Birmingham — MACHINE SHOP — Stewart Machine Co., 1106 1st Ave., C. Stewart, pres., purchased 240 x 400 ft. site and plans new shop, 9th Ave. N. and 28th St. $150,000.

La., Morgan City — PULP MILL and POWER PLANT—Dixie Pulp & Paper Co. having plans prepared by V. D. Simons, engr. and constr. mgr., 431 North Michigan Ave., Chicago, Ill., 125 ton per day paper mill and power plant. $4,000,000. Noted Jan. 21.

La., New Orleans—WAREHOUSE—E. Weil, Inc., archt., Whitney Bldg., preparing plans and soon takes bids three 1 story, rein.-con., brick and stone, pile foundations, on 86 x 319 ft. site, Market, Religious, Richard and St. Thomas Sts., for Woodward Wight & Co., $50,000 each.

Tenn., Cowan — PLANT — Cumberland Portland Cement Co., c/o Davidson, Hicks & Greene, 100 Russell St., Nashville, plans organizing and erecting 2,000 bbl. capacity cement plant, here. To exceed $40,000.

O., Canton—FACTORY—Eberman Steel Co., 1103 18th St. N. W., soon takes bids 1

Buildings—Industrial (Continued)

story, steel factory, Allen Ave. S. E. and Baltimore & Ohio R.R. tracks. $100,000.

O., Cleveland—LAUNDRY and OFFICE—Modern Laundry Co., c/o J. Bauer, pres., 2020 Woodland Ave., having plans prepared by A. A. Hanke, 2906 Euclid Ave., 2 story and basement, 62 x 175 ft., brick and steel, East 55th St. near White Ave. $60,000.

O., Cleveland — FACTORY — Sherman Stores Co., 823 Prospect Ave., having preliminary plans prepared by Christian, Schwarzenberg & Gaeda, engrs. and archts., 1900 Euclid Bldg., 4 story and basement, brick and steel, 3026 Superior Ave. $300,000.

O., Cincinnati—ENGRAVING PLANT—Rudolph Sattler Engraving Co., Walsh Bldg., having plans prepared by Rendings, Panzer & Martin, Southern Ohio Bank Bldg., 3 story and basement, 75 x 150 ft., rein.-con. and brick, plain foundation, McMillin St. $100,000.

O., East Cleveland (Cleveland P. O.) — SALES and SERVICE—Barnes Motor Co., W. P. Barnes, pres., 1938 East 21st St., Cleveland, plans 2 story and basement, brick, steel and concrete, Euclid Ave. and Ivanhoe Rd., here. $150,000. Engineer and architect not selected.

Indiana — OIL REFINERY — Roxana Petroleum Corp., Shell Bldg., 13th and Locust Sts., St. Louis, Mo., plans oil refinery on 450 acre site, partly in Gary and Hammond, here, $5,000,000; also pipe line, etc., from Roxana, Ill., to Hammond, Ind. $7,000,000. Private plans.

Ind., Indianapolis—PLANT—See "Buildings—Commercial."

Ind., Indianapolis — POWER PLANT — Bd. Trustees Indiana State Blind School, having preliminary plans prepared by Harrison & Turnock, 500 Bd. Trade Bldg., rein.-con. and brick power plant. $150,000.

Ind., Indianapolis—PRINTING PLANT—Oval & Koster, 700 West Washington St., had plans prepared by C. Byfield, 923 Peoples Bank Bldg., 4 story, 112 ft. front, rein.-con. and brick printing plant. $45,000.

Mich., Jackson — PRINTING PLANT — Jackson Patriot having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 3 story and basement, 75 x 130 ft., rein.-con. and brick, plain foundation. $150,000.

Mich., Muskegon — FACTORY — Shaw-Walker Co., 27 Division St., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, and takes bids about Mar. 15, 5 story, 80 x 200 ft., rein.-con. and brick, plain foundation, Division St. $250,000.

Ill., Cicero — MOTOR DEVICE FACTORY—Stromberg Motor Devices Co., 58-68 East 25th St., Chicago, having preliminary plans prepared by N. M. Dunning, 304 South Wabash Ave., Chicago, rein.-con., 54th Ave. and 16th St., here. $4,000,000. Leiverman & Hein, 190 North State St., Chicago, engrs.

Wis., Almond — CREAMERY — Almond Creamery Co., W. F. Hintz, secy., having plans prepared by M. J. Mersch, 800 Division St., Stevens Point, 1 story, 50 x 62 ft., rein.-con., brick and steel, plain foundation. $40,000.

Wis., Dodgeville — PLANT — Dodgeville Cheese Federation, F. G. Trooboda, genl. mgr., plans 1 story and basement, 40 x 50 ft., cold storage plant and refrigeration room, rein.-con. and brick, $40,000. Engineer and architect not selected.

Wis., Madison—DAIRY PLANT—J. M. O'Mally, 1 South Pinckney St., plans 2 story, rein.-con. and steel, Livingston St. $40,000. Engineer and architect not selected.

Wis., Milwaukee — FACTORY — C. T. Gross, 3020 State St., having preliminary plans prepared 1 and 2 story, 90 x 110 ft., brick and concrete, plain foundation, Poplar and 4th Sts. $60,000. Private plans.

Wis., Plymouth — HEATING PLANT — Central Steam Heat & Power Co., c/o E. E. Dillon, engr., 316 1st Natl. Bank Bldg., Madison, plans central heating plant and distribution system. $155,000.

Ia., Mashalltown — FACTORY — H. E. Reimer, engr. and archt., Marshalltown, soon lets contract 1 story, 60 x 60 ft., brick and steel factory plain foundation, for Fisher Governor Co. $40,000.

Mo., St. Louis — ICE PLANT — Polar Wave Ice & Fuel Co., 3638 Olive St., purchased site and plans 2 story and basement, 120 x 200 ft. ice plant and distribution station, rein.-con., 9th and Victor Sts. $250,000.

Tex., Amarillo — GASOLINE PLANT — Phillips Petroleum Co., Bartlesville, Okla., plans casinghead gasoline plant, 10,000 gal. daily capacity. $1,000,000. Private plans.

Tex., Breckenridge—ICE PLANT, etc.—Alexander & Dillham, having plans prepared 40 ton capacity ice plant, rein.-con. and brick, also ice pier. $60,000. Withers & Merrell, 104½ Oak St., Mineral Wells, engrs.

Tex., Electra — GASOLINE PLANT — Waggoner Refinery plans new units to plant, and also 2,000 g.p.d. natural gasoline plant. $500,000. Private plans.

Tex., Laredo—PUMPING PLANT, etc.—Texas Central Power Co., c/o S. M. Holden, Frost Bldg., San Antonio, plans improving plant, water mains, water meters, also light plant additions, etc. $1,000,000 bonds voted for same. Private plans.

Tex., Laredo — BAKERY — Wolf & Reuthinger having plans prepared by L. S. Beardsley, 116 West 39th St., New York City, N. Y., 1 story, 66 x 108 ft., rein.-con. and brick, plain foundation, Santa Maria, Lincoln and Iturbids Sts. $80,000.

Tex., Raymondville — COTTON COMPRESS—Aransas Compress Co., Corpus Christi, plans cotton compress, here. $60,000. Private plans.

Tex., San Antonio—CANDY FACTORY—G. A. Duerler Mfg. Co., 224 West Commerce St., plans 6 story and basement, 140 x 160 ft., rein.-con., brick and tile, 200 Blk. Herff St. $200,000. Engineer and architect selected soon.

Okla., Collinsville — POWER PLANT — See "Waterworks."

Okla., Duncan — COTTON SPINDLE MILL — C. R. Miller Mfg. Co., 906 Jackson St., Dallas, Tex., having plans prepared 1 story, 250 x 400 ft., rein.-con., brick and steel, plain foundation, here. $250,000. Engineer and architect not selected.

Okla., Keefeton—BRICK PLANT—La Dow Brick Co. making preliminary plans brick plant. $40,000. Private plans.

Calif., Crescent City—SAW MILL—Bee-H-Ess Milling Co., G. W. Howe, atty., plans 5,000 to 10,000 ft. capacity per day mill.

Calif., Pinole — MILLS — California Woolen Mills, Pacific Bldg., San Francisco, making preliminary plans woolen mills, here. To exceed $40,000.

Calif., San Francisco—FACTORY—Illinois-Pacific Glass Co., 15th and Folsom Sts., having plans prepared 6 story, 193 x 256 ft., concrete, Folsom St. $600,000. A. Toriggino, Mills Bldg., engr.

Calif., San Francisco — FACTORY and WAREHOUSE — J. A. Roebling & Sons Co., 646 Folsom St., having new plans prepared 2 story, concrete and steel, De Haro, Carolina, 16th and 17th Sts. $200,000. Eng. Dept. of Owners, engrs. Noted Aug. 20.

Calif., Santa Monica—FACTORY—Symphonaer Organ Co., 504 Wilshire Blvd., had sketches made by C. F. Winder, pres., organ factory, Pico Blvd. $1,000,000. Noted Mar. 4.

Ont., Guelph—FACTORY—A. Rae, Yarmouth St., plans remodeling factory. $50,000.

STREET IMPROVEMENT—CHICAGO, ILL.

Bids were opened by Board of Local Improvements, City Hall, for South Water Street Improvement, Sect. No. 9, sub and superstructure, from east line of State St. to west line of Wabash Ave., (A) Mid-Continent Construction Co., 6 North Michigan Ave., (awarded contract); (B) M. E. White Co., 1735 Fulton St.; (C) Underground Construction Co., 130 North Wells St. The unit bids are as follows:

	A	B	C
Complete electric conduit system (lump sum)	$18,000.00	$29,040.00	$17,000.00
Cast iron wheel guards (lump sum)	4,750.00	8,265.00	9,263.00
610 cu.yd. 1:4½ concrete in columns and column caps	20.00	26.40	33.00
4,950 cu.yd. 1:6 concrete in viaduct slab, etc.	15.00	21.05	22.00
58 cu.yd. 1:6 concrete in stairs and stair walls	25.00	23.00	40.00
50 cu.yd. 1:6 concrete in column casings, river front	27.50	35.30	36.00
375,000 lb. reinforcing steel in columns and column caps	.04½	.04½	.05½
935,000 lb. reinforcing steel in viaduct slab, etc.	.04¼	.04½	.05
3,700 lb. reinforcing steel in stairs and stair walls	.05	.04½	.05
28,500 lb. steel in expansion plates, angles and curb plates	.10	.09½	.10
3,850 sq.yd. membrane waterproofing	1.00	1.25	1.25
23,000 sq.ft. wearing surface on sidewalks, etc.	.09½	.11	.11
1,000 sq.ft. sidewalk lights	3.50	3.50	3.60
45,200 lb. steel in column protection plates	.10	.10½	.12
14,600 lb. miscellaneous iron not included in other items in viaduct structure	.15	.12	.13
4,500 sq.ft. rubbed finish	.12	.12	.15
500 lin.ft. wooden railing left in place	.50	.75	1.50
16 cast iron inlets complete	75.00	75.00	40.00
500 lin.ft. 6 in. cast iron downspout	4.00	4.00	4.10
250 lin.ft. safety treads	2.50	1.45	1.50
7,300 cu.ft. hollow tile masonry	.50	.57	.50
29,000 cu.yd. general steam shovel excavation	1.35	1.69	1.35
3,000 cu.yd. general hand excavation	4.50	5.51	5.50
800 sq.yd. vaulted sidewalks, broken up, removed and disposed of	1.35	1.41	1.50
450 sq.yd. stone flagging, broken up, removed and disposed of	1.10	1.12	1.00
500 cu.yd. reinforced concrete masonry, broken up, etc., when done by steam shovel	10.00	3.95	5.50
450 cu.yd. reinforced concrete masonry, broken up, etc., by hand	20.00	16.87	10.00
1,800 cu.yd. plain concrete masonry, etc., broken up, etc., by steam shovel	10.00	2.81	4.00
50 cu.yd. plain concrete masonry, etc., broken up, etc., by hand	20.00	13.50	8.00
275 lin.ft. dock construction removed, etc.	19.00	22.10	21.50
365,000 lb. steel or iron in cast bases or grillages, removed, etc.	.01¼	.02¼	.01¾
400 piles (not to be used) cut off	2.35	2.35	3.00
300 cu.yd. additional dredging	5.00	.88	3.00

	A	B	C
900 cu.yd. general filling	$3 00	$1 75	$1 50
2 test loads in bottom of cylindrical pier shaft	500 00	500 00	500 00
76,000 cu.ft. 1:6 concrete in cylindrical piers	1 05	1.24	1 30
24,500 cu.ft. 1:7½ concrete in cylindrical piers	1.03	1.23	1 30
0 cu.ft. concrete placed in piers under air (additional price)	6.00	7 00	10 00
1,000 cu.ft. solid masonry, etc., removed from piers	5.00	1 15	1 50
495 cu.yd. 1:6 concrete in foundation girders, etc	12 50	14.75	17 00
475 cu.yd. 1:6 concrete in dock wall proper	18.00	15 75	21 00
275 cu.yd. 1:6 concrete in vent ducts	22 50	23 50	27 00
4,250 sq.ft. 1 in. wearing surface on dock wall and vent ducts	10	12½	15
300 sq.ft. ¾ in. wearing surface on steps to vent ducts, etc	10	11	11
4 test piles	125 00	120 00	137 00
7,900 lin.ft. piles, delivered at site and accepted	.33	.32	.37
7,800 lin.ft. piles, driven in dock	.43	.47	.45
60 existing piles to be used in dock	27 50	28 00	25 00
89 m. ft. b.m. untreated timber and lumber in sheet piling and stringers	125 00	148 50	145 00
7 m. ft. b.m. oak fender for dock	200 00	185 00	180 00
1.5 m. ft. b.m. oak bumper for loading platform	200 00	190 00	250 00
220,000 lb. reinforced steel in cylindrical piers	.05	.05	.05½
98,000 lb. reinforced steel not included in other items	.04½	.04½	.05
48,000 lb. miscellaneous iron work in dock construction	.09½	.10¾	.11
13,500 lb. miscellaneous iron (railings, curb plates, etc.)	.20	.24	.18
52 lin.ft. safety treads	2 00	1.45	1 50
88 sq.yd. 8 in. concrete pavement foundation	2 50	2 50	2 50
850 sq.yd. reinforced concrete pavement (dock floor)	5 50	5 25	6 00
1,750 sq.yd. plain concrete pavement	4 00	4 25	5 20
3,750 sq.yd. 4 in. asphalt pavement, no foundation	2 90	3 25	3 70
5,530 sq.yd. 5 in. granite block pavement (ordinary blocks)	6 75	7 00	7 60
375 sq.yd. 5 in. granite block pavement (smooth blocks)	7 50	7 50	8 50
0 sq.yd. temporary granite block pavement	5 00	2 50	3 00
2,500 lb. reinforced steel in pavement foundation	.05	.04¾	.07
1,200 sq.ft. sidewalks laid on the ground	.34	.38	.35
30 lin.ft. integral curb for sidewalks on ground	2 00	1 50	2 00
5 new sewer manholes complete	100 00	106 00	135 00
14 new catchbasins complete	100 00	118 00	135 00
180 lin.ft. 8 in. tile pipe sewer	2 65	2 50	3 00
240 lin.ft. 12 in. tile pipe sewer	5 25	4 25	4 80
575 lin.ft. 15 in. tile pipe sewer	4 25	5 50	5 40
650 lin.ft. 8 in. cast iron pipe sewer	4 75	4 00	8 00
Extended totals	$547,131	$619,043	$638,300

Buildings—Industrial (Continued)

Ont., Hamilton — SHEET METAL PLANT—J. E. Riddell & Sons, 20 Ferguson Ave., plans rebuilding sheet metal works, recently destroyed by fire. $50,000.

Ont., Hamilton—GALVANIZING PLANT—Steel Company of Canada plans galvanizing plant. $300,000. Private plans.

Mass., Gardner — FACTORY — Amer. Fibre Co., Coleman St., taking bids 2 story, brick addition. $45,000. H. A. Foster, 15 Oliver St., Fitchburg, archt.

Pa., Phila.—MILL—Mar. 13, by E. A. Wightman, archt., Bankers Trust Bldg., 2 story and basement, 100 x 100 ft., rein.-con. and brick, plain foundation, A and Courtland Sts., for Concordia Silk Hosiery Co., Fishers and Wyoming Aves. $60,000. Noted Mar. 4.

Ill., Highland Park — ICE PLANT — Highland Park Ice Co., 5538 Lake Park Blvd., taking bids 1 story, 76 x 150 ft., brick, plain foundation. $40,000. C. F. Ringer & Son, 432 Bway., Milwaukee, Wis., archts.

Tex., Cleburne—SHOPS—Gulf, Colorado & Santa Fe Ry. Co., F. Merrit, ch. engr., 408 Union Depot Bldg., Galveston, taking bids 122 x 155 x 517 ft. boiler house and blacksmith shop, also 1 story 45 x 228 ft. shop, both steel and metal sash. $300,000. W. J. Smith, 408 Union Depot Bldg., Galveston, archt. Noted Jan. 28.

Okla., Muskogee — COTTON GIN and SEED HOUSE—See "Contracts Awarded."

Calif., Los Angeles—CREAMERY—See "Contracts Awarded."

Contracts Awarded

Conn., New Britain—PLANT—North & Judd Mfg. Co., East Main St., rebuilding brick and steel annealing building, which recently collapsed, to W. H. Allen & Co., Inc., Hungerford Court. Archts. est. $40,000.

Conn., Waterbury—SHOP—M. J. Daly & Sons, Inc., 585 Bank St., 3 story, 42 x 100 ft., brick and steel addition, Bank St., to Lewis Miller, Inc., 22 Church St., Meriden. Archts. est. $40,000.

N. Y., Piermont — FACTORY — Robert Gair & Co., 50 Washington St., Brooklyn, rein.-con. and steel, plain foundation, here, to Turner Constr. Co., 244 Madison Ave., New York City. Archts. est. $300,000.

N. J., North Bergen (Weehawken P. O.)—PLANT—Atlantic Tank & Barrell Corp., Grand Ave., Hoboken, 1 story, rein.-con., brick and steel, plain foundation, here, to W. Kidde, 140 Cedar St., New York City. Archts. est. $60,000.

Pa., Phila. — PRINTING PLANT — R. Barnes, 5233 North 15th St., 2 story and basement, 49 x 81 ft., and 17 x 17 ft., brick and steel, plain foundation, 5806-18 North Marvine St., to F. B. Davenport, 240 North 16th St. Archts. est. $40,000.

Pa., Phila. — FACTORY — Huck & Gerhardt, Inc., 1030 North Bodine St., 1 story and basement, 51 x 202 ft., rein.-con., steel and brick, plain foundation, C and Luzerne Sts., to Schaeffer & Co., Otis Bldg. Archts. est. $500,000.

Md., Conowingo — POWER PLANT — Maryland Pub. Serv. Comn., Baltimore, signed orders making possible construction Conowingo Power Project. Phila. Electric Co. is issuing $36,000,000 bonds to finance development, initial capacity 300,000 hp. additional units will be added later, making total capacity 500,000 hp. Approximate cost initial development $52,000,000. Contract was awarded to Stone & Webster, 147 Milk St., Boston, Mass., Jan., 1925. Noted March 5, 1925.

N. C., High Point—CHAIR FACTORY—Tomlinson Chair Co., 5 story, 80 x 400 ft., 2 units, to J. O. Connor, High Point; and 1 unit to Gallivan Building Co., Greenville, S. C. Total $200,000.

N. C., Kannapolis — COTTON MILL — Cannon Mills Co., 1 story, 100 x 700 ft. and 100 x 300 ft. extension, timber, to Brown-Harry Co., Gastonia, $375,000. Noted Jan. 7.

Fla., Jacksonville—PLANT—Huttig Sash & Door Co., 1206 South Vandeventer Ave., St. Louis, Mo., 2 story, brick and concrete addition, here, to N. J. Sutton, 332 East 3rd St., Jacksonville. Archts. est. $60,000.

Tenn., Memphis—LAUNDRY—Memphis Steam Laundry Co., North 2nd St., 4 story, concrete, rein.-con., brick and steel, Jefferson Ave., to F. J. Ozanne Constr. Co., 1667 Glenview St. Archts. est. $300,000. Noted Feb. 18.

Tenn., Nashville — BAKERY — Amer. Bread Co., 456 4th Ave. N., 2 story and basement, brick and concrete annex, 4th Ave. N., to Boone Contg. Co., 314 Church St., approximately $60,000.

Ky., Paducah—SHOPS—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., boiler erection and machine shops, to J. E. Nelson & Son, 3240 South Michigan Ave., Chicago, Ill.; and storage buildings, to Ellington Miller Co., 417 South Dearborn St., Chicago, Ill. Engrs. est. $750,000.

O., Cincinnati—MACHINE SHOP—Boye & Emmes Machine Tool Co., 2245 Spring Grove Ave., 2 story and basement, 50 x 150 ft., rein.-con. and brick, plain foundation, to Austin Constr. Co., 16112 Euclid Ave., Cleveland, $60,000.

O., Cincinnati — FACTORY — Cincinnati Mfg. Co., Gest & Evans Sts., 6 story and basement, 72 x 103 ft., rein.-con. and brick, plain foundation, Gest St., to H. C. Hazen Constr. Co., Reading Rd., $70,000.

O., Cleveland—FACTORY—Owen Bucket Co., W. H. Botten, pres., Rockefeller Bldg., 1 and 2 story, 92 x 180 ft., brick and steel, West 58th St., to Uhl-Jaster Co., 1900 Euclid Bldg. Archts. est. $75,000.

O., Youngstown—GARAGE and SERVICE STATION—J. H. Fitch Co., F. G. King, pres., 5 story and basement, 63 x 327 ft., rein.-con. and brick, to Heller Bros., West Boardman St. Archts. est. $400,000. E. R. Muldrew, c/o owner, lessee.

Ind., Ft. Wayne — MILLS — General Hosiery Co., Industrial Park, East Pontiac St., general contract 1 story, 90 x 165 ft., rein.-con., brick and steel, to M. Irmscher, 118 West Berry St. Archts. est. $500,000.

Ind., Noblesville — FACTORY — Amer. Strawboard Co., steel contract for 1 story, 74 x 300 ft., brick and steel factory, to Indiana Bridge Co., Macedonia Ave. and East 12th St., Muncie. Archts. est. $40,000. Private plans.

Mich., Newberry—POWER HOUSE—See "Buildings—Educational, Religious."

Ill., Chicago — FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., masonry and carpentry contract 6 story and basement, 85 x 100 ft., Superior and Sedgwick Sts., to Salomon-Waterton Co., 230 East Ohio St., for Peanut Specialty Co., 212 West Superior St. Archts. est. $200,000. Noted Jan. 21.

Ill., Chicago — FACTORY — Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., general contract 3 story and basement, 120 x 475 ft. addition to train shed, to W. Adams Co., 209 South La Salle St., for Crane Co., 836 South Michigan Ave.

Ill., Joliet—FACTORY—P. F. Volland Co., Washington and Richard Sts., 3 story and basement, 74 x 300 ft., brick, steel and

Buildings—Industrial (Continued)

terra cotta, Richards and Union Sts., to Hansen & Petersen Co., Des Plaines and Allen Sts. Noted May 14, 1925.

Wis., Madison — PLANT — Grimm Book Binding Co., J. J. Grimm, mgr., 423 West Gorham St., 1 story, 58 x 90 ft., rein.-con., brick and steel, Gilman St., to A. Nussbaum, 16 North Pinckny St., Madison. Archts. est. $40,000.

Tex., Mt. Pleasant—ICE PLANT—Texas Pub. Serv. Co., Marshall, 1 story, 50 x 70 ft., 50 ton capacity, fireproof, here, to O. L. Crigler, Marshall, approximately $70,000.

Okla., Muskogee — COTTON GIN and SEED HOUSE—J. M. Pierce, Ry. Exch. Bldg., will build cotton gin of 8 stand, 80 saw capacity, and 120 x 377 ft. steel and concrete seed house, by own forces. $75,000.

Calif., Los Angeles—CREAMERY—Jersey Farm Dairy Co., Vermont and Slauson Aves., will build 1, 2 and 5 story, 164 x 265 ft., 6001 South Gramercy Pl., by day labor, under supervision. J. Schuck, archt., 1223 West 61st St. $54,300.

Calif., Vernon — FACTORY — Southern California Iron & Steel Co., Randolph St., Los Angeles, 1 story, 62 x 190 ft., steel frame factory, 3400 Slauson Ave., to Union Iron Wks., 5125 Santa Fe Ave., Los Angeles, $40,000.

Que., Chelsea—POWER PLANT—International Paper Co., 100 East 42nd St., New York City, 3 generators, transformers, etc. to Westinghouse Electric Co., Hamilton, $1,250,000.

Buildings—Educational, Religious

Proposed Work

Mass., Hanover—SCHOOL—Town, School Com., Town Hall, plans new school. $150,000. Engineer and architect not selected.

Mass., Natick—SCHOOL—Town, School Bd., plans brick and steel school. $150,000. McLaughlin & Burr, 88 Tremont St., Boston, archts.

Conn., New Haven—SCHOOL—Berkeley Divinity School, plans new school, York Sq. $150,000 or more. Engineer and architect not selected.

N. Y., Flushing—SYNAGOGUE—Flushing Free Synagogue, Amity St. soon lets contract brick, steel and stone, Sanford and Jamaica Aves. $250,000. M. Courtland, 366 5th Ave., New York City, engr. and archt. Noted Feb. 11.

N. Y., New York—SCHOOL and DORMITORY — Veshiva College of America, H. F. Fishel, c/o C. B. Myers, engr. and archt., 31 Union Sq., having plans prepared brick, steel and stone, plain foundation, West 187th St. and Amsterdam Ave. $1,000,000.

N. Y., Niagara Falls—HIGH SCHOOL—Bd. Educ. having plans prepared by Tooker & Marsh, engrs. and archts., 101 Park Ave., New York City, brick, steel and stone addition, plain foundation, here. $250,000.

Pa., Pittsburgh—NURSES HOME—St. Johns General Hospital, N. S., Pittsburgh, having plans prepared by R. M. Marlier, Empire Bldg., 3 story and basement, 38 x 112 ft., and 30 x 38 ft., brick and hollow tile, McClure Ave. $150,000.

Md., Baltimore—HOME—Bureau Catholic Charities, 415 Cathedral St., having plans prepared by G. R. Callis, Jr., Hearst Tower, 4 story and basement, 120 x 250 ft., brick and stone, plain foundation, at St. Agnes Hospital. $500,000.

N. C., Asheville — HIGH SCHOOL — Swannanoa School Dist. voted $150,000 bonds, brick high school, for Bd. Educ. Buncombe Co. Noted July 23.

N. C., Charlotte — CHURCH — First Methodist Church, c/o A. M. Whisnant, chn. building com., plans church, incl. educational Sunday school, North Tryon and 8th Sts. $500,000 . Spencer & Phillips, Memphis, Tenn., archts. Noted Sept. 17.

Fla., Bartow—SCHOOL—Bd. Educ. election soon $300,000 bonds, school.

Fla., Ft. Myers—SCHOOL—Lee Co. Bd. Educ. plans election soon. $850,000 bonds, school.

Fla., Lemon City — SCHOOL — R. L. Hamon, supt. Dade Co. (Miami), having plans prepared by H. H. Mundy, 218 Northeast 5th St., Miami, Lemon City High School, here. $400,000.

Fla., Tampa—CHURCH—First Methodist Church having plans prepared by M. L. Elliott, Citizens Bank Bldg., new church. $500,000.

La., Monroe—SCHOOL—City postponed election Feb. 2, $800,000 bonds school and filtration plant. Noted Jan. 21.

Tenn., Knoxville—SCHOOLS—Bd. Educ. having plans prepared by W. B. Ittner, 911 Locust St., St. Louis, Mo., 4 large public schools and additions to 3 others. $350,000.

O., Akron—JEWISH CENTER—Jewish Community Center plans Jewish center, South Balch St. near Five Points. $150,000.

O., Cleveland — CHURCH and SUNDAY SCHOOL — St. Johns Evangelical Church, E. A. Krafft, pastor, raising $150,000 funds, 1 and 2 story, brick, steel and concrete, East 55th St. and Magnet Ave. H. W. Maurer, 1991 East 66th St., archt.

O., Cleveland — ENGINEERING, etc. — Case School of Applied Science, C. S. Howe, pres., Euclid Ave. and Adelbert Rd., having plans prepared by Wilbur Watson and associates, archts. and engrs., 4614 Prospect Ave., 3 story and basement mechanical engineering building, chemistry, gymnasium, architectural, administration, assembly hall and library, mining and proposed extension, electrical engineering addition, moving existing chemistry and administration buildings. $5,000,000.

O., Cleveland Heights (Warrensville P. O.)—CHURCH, SUNDAY SCHOOL and PARISH HOUSE—Corbusier, Lensh & Foster, archts., B. F. Keith Bldg., Cleveland, soon lets contract 1 and 2 story, brick, steel and concrete, Cedar Rd., here, for Grace Lutheran Church. A. W. Harlets, pastor, 1879 East 66th St., Cleveland. $200,000.

O., Tiffin — CHURCH and SUNDAY SCHOOL — Trinity Reformed Church, having plans prepared by Nicklas & Roderick, 1227 Prospect Ave., Cleveland, 1 story, 90 x 150 ft., stone and steel church and Sunday school. $150,000.

Ind., Indianapolis — COLLEGE — Butler College, University and Butler Aves., having plans prepared by Daggett & Hibben, rein.-con. and brick recitation and science building. $500,000.

Ind., South Bend — COLLEGE — Notre Dame University having plans prepared by Cram & Ferguson, 248 Boylston St., Boston, Mass., rein.-con. and brick dining hall, 2,000 seating capacity. $300,000.

Mich., Ann Arbor—MUSEUM—University of Michigan having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 2 story and basement, rein.-con. and brick, plain foundation. $900,000.

Mich., Iron River — HIGH SCHOOL — Election Apr. 12, $300,000 bonds, 3 story and basement, rein.-con. and brick, plain foundation. Van Leyen, Schilling & Keough, 3441 Cass Ave., Detroit, archts. D. E. Anderson, Iron River, associated archt.

Mich., Royal Oak (Ind. br. Detroit) — SCHOOL—Royal Oak School Dist. had plans prepared by H. T. Keyes, 635 Free Press Bldg., Detroit, 2 story and basement, rein.-con. and brick, plain foundation. $150,000.

Ill., Champaign — CHURCH — McKinley Foundation Congregation, J. W. Malone, Jr., pastor, 412 East Daniel St., takes bids in fall, 2 story and basement, rein.-con., brick and stone church. $200,000. Holabird & Roche, 104 South Michigan St., Chicago, archts.

Wis., Madison—SCHOOL—Bd. Educ., c/o T. Gosling, supt., 22 West Dayton St., having plans prepared by Small & Flad, Ellsworth Bldg., 2 story, rein.-con., brick and steel addition, plain foundation. $200,000.

Wis., Neenah — HIGH and GRADE SCHOOL—Plans election in April, $350,000 bonds, 3 story and basement, brick, tile and concrete, plain foundation, for Bd. Educ., C. Hedges, supt. schools. J. D. Chubb, 109 North Dearborn St., Chicago, Ill., archt.

Wis., Prairie du Chien—SCHOOL—W. A. Benthen, city clk., plans rein.-con., brick and steel school, 1st Ward. $150,000. Engineer and architect not selected.

Wis., Sparta—SCHOOL—State Bd. Control, A. W. Bagley, secy., State Capitol, Madison, having plans prepared by A. Peabody, Madison, 1 story and basement, 45 x 122 ft., and 60 x 148 ft., rein.-con., brick and steel addition, here. $150,000.

Ia., Charles City—SCHOOL—Defeated $250,000 bonds, for school. Project abandoned. Noted Feb. 11.

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St. (lowest four and highest) for Route No. 78, Sect. No. 8, along and under Ft. Washington Ave., from (A) S. B. Mason, 17 West 60th St. (awarded contract); (B) The English Construction Co., 15 West 91st St.; (C) Moranti & Raymond, Inc., 42 Bway.; (D) P. F. Connolly, 9 Jackson Ave., Long Island City; (E) The Lustbader Construction Co., Inc., 101 Park Ave. The unit bids are as follows:

	A	B	C	D	E
*140 cu.yd. earth excavation and disposal at N. R., north of Dyckman St.	$11.00	$14.76	$5.00	$15.00	$8.62
†140 cu.yd. earth excavation and disposal at N. R., south of Ft. Wash. Point	10.90	14.97	5.00	15.50	8.62
*550 cu.yd. rock excavation and disposal at N. R., north of Dyckman St.	11.00	16.09	14.50	15.00	8.62
†550 cu.yd. rock excavation and disposal at N. R., south of Ft. Wash. Point	10.90	16.40	14.50	15.50	8.62
*75,200 cu.yd. tunnel excavation and disposal at N. R., north of Dyckman St.	10.40	15.98	14.50	16.50	21.18
†75,200 cu.yd. tunnel excavation and disposal at N. R., south of Ft. Wash. Pt.	10.30	16.34	14.50	17.00	21.18
9,600 cu.yd. shaft excavation and disposal at N. R., north of Dyckman St.	40.00	16.03	24.00	16.50	32.18
9,600 cu.yd. shaft excavation and disposal at N. R., south of Ft. Wash. Point	39.90	16.40	24.00	16.50	32.18
24,450 cu.yd. concrete masonry	22.00	17.00	19.50	15.25	21.00
55,350 sq.ft. rubbed surface	.10	.10	.10	.15	.05
30 cu.yd. protective concrete	22.00	22.00	19.50	25.00	21.00
35 cu.yd. hollow terra cotta or tile masonry	45.00	42.15	50.00	40.00	57.40
6,000 bbl. portland cement grout	7.50	5.30	5.50	7.00	7.18
250 m. ft. b.m. shaft and tunnel timbering	125.00	125.00	60.00	120.00	175.00
10 cu.yd. broken stone or gravel	5.00	4.75	5.00	5.00	7.18
380 sq.yd. waterproofing treated fabric 3 ply	2.50	2.50	3.00	3.00	3.60
300 lin.ft. cast iron pipe and fittings 3 in.	1.60	1.00	1.00	1.50	2.15
100 lin.ft. cast iron pipe and fittings, 4 in.	2.00	1.69	1.50	2.00	2.90
100 lin.ft. cast iron pipe and fittings, 6 in.	2.90	2.95	2.50	2.50	4.30
100 lin.ft. cast iron pipe and fittings, 8 in.	4.40	4.11	3.00	3.00	4.60
550 lin.ft. standard galvanized pipe, 3 in.	1.80	1.52	1.25	1.50	1.80
250 lin.ft. standard galvanized pipe, 8 in.	5.60	4.48	4.00	4.00	4.20
22,550 duct.ft. tunnel ducts	.26	.25	.30	.30	.36
1,160 ton riveted steel beams and standard shapes	125.00	127.50	115.00	120.00	146.50

	A	B	C	D	E
1,070 ton riveted steel beams and Bethlehem shapes	$137 00	.....	$ 126 00	$120 00	$150 00
2 ton architectural steel and iron	375 00	$422 00	300 00	400 00	430 00
1 emergency exit covers	565 00	475 00	500 00	500 00	500 00
85 ton steel rods and bars	110 00	105 00	100 00	100 00	115 00
1 ton miscellaneous iron castings	190 00	105 00	300 00	150 00	230 00
250 per lb. special wire forms	23	22	20	20	43
4,300 lin.ft. 1¾ in. oak or ash hand rail	50	53	1 00	60	1 00
150 sq.ft. steel gratings for ventilation	3 75	4 48	4 00	4 00	3 60
5 sq.yd. finishing upper 3 in. concrete walls and slabs	1 90	3 00	3 00	3 00	3 90
6,800 lin.ft. steel electric conduits, ¾ in.	40	30	40	60	43
200 lin.ft. steel electric conduits, 1½ in.	57	80	80	1 50	57
1,100 lin.ft. steel electric conduits, 2 in.	75	1 20	1 25	2 00	86
4,900 lin.ft. steel electric conduits, 1 in.	50	40	50	1 00	72
250 lin.ft. steel electric conduits, 3½ in.	1 50	1 60	1 50	3 00	1 80
10 lin.ft. steel electric conduits, 2½ in.	1 00	1 40	1 25	2 50	1 70
485 4 x 4 x 3 in. c.i. outlet boxes	2 00	1 60	6 00	3 00	2 87
10 6 x 6 x 4 in. c.i. pull boxes	3 20	6 15	6 00	5 00	5 25
1 6 x 12 x 3 in. c.i. pull boxes	7 50	10 00	8 00	5 00	10 00
6 8 x 8 x 4 in. c.i. pull boxes	9 00	10 00	8 00	5 00	10 00
400 lin.ft. c.i. pipes and fittings, extra heavy 6 in.	4 60	4 60	2 50	2 50	3 60
250 lin.ft. c.i. pipes and fittings, extra heavy 3 in.	2 50	3 38	1 25	1 50	2 15
400 lin.ft. c.i. pipes and fittings, extra heavy 4 in.	3 20	2 06	2 00	2 00	86
Total for disposal at N. R., north of Dyckman St. (not including items †) standard shapes	$1,976,190	$2,032,416	$2,033,258	$2,044,210	$2,724,808
Total for disposal at N. R., north of Dyckman St. (not including items †) Bethlehem shapes	1,977,780	.....	2,034,678	2,033,410	2,715,368
Total for disposal at N. R., south of Ft. Wash. Pt. (not including items *) standard shapes	1,967,641	2,063,240	2,033,258	2,082,155	2,724,808
Total for disposal at N. R., south of Ft. Wash. Pt. (not including items *) Bethlehem shapes	1,969,231	.....	2,034,678	2,071,355	2,715,368

Buildings—Educational, Religious (Cont.)

Ark., Fayetteville—COLLEGE—University of Arkansas postponed taking bids 3 story, 88 x 216 ft. engineering building, and 58 x 256 ft. agricultural building, both rein.-con., brick and terra cotta. $650,000. Jamieson & Spearl, Arcade Bldg., St. Louis, Mo., and H. R. Burke, 307 Southern Trust, Little Rock, archts. Noted Jan. 28.

Mo., Clayton—SCHOOL—Voted $140,000 bonds, 3 story school in De Mun tract, for Clayton School Dist., J. L. Bracken, supt. Total cost to exceed $150,000.

Okla., Norman — HIGH SCHOOL — Bd. Educ. having plans prepared by Layton, Hicks & Forsythe, Braniff Bldg., Oklahoma City, 2 story and basement, rein.-con. and brick, plain foundation, Asp St. $150,000 bonds voted.

Okla., Wewoka—HIGH SCHOOL—Bd. Educ. having plans prepared by Monott & Reid, Empire Bldg., Oklahoma City, 2 story and basement, Apple St. $150,000 bonds voted.

Calif., Huntington Park (br. Los Angeles)—SCHOOL—Voted $370,000 bonds, new schools, also additions to present school, for Huntington Park Bd. Educ.

Calif., Marysville — HIGH SCHOOL — Plans election $350,000 or more bonds, high school building, for Marysville High School Dist.

Calif., Palo Alto—LIBRARY—Leland Stanford Junior University having plans prepared by Bakewell & Brown, 251 Kearny St., San Francisco, concrete library, on campus. $150,000.

Ont., Kingston — STUDENTS — Queens University plans 3 story and basement, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Ont., Toronto — COLLEGIATE — Bd. Educ., 155 College St., having plans prepared by C. E. Dyson, c/o owner, 2 story and basement, rein.-con., brick and steel addition, plain foundation, Harbord St. $150,000.

Bids Desired

N. J., Cliffside Park (mail Cliffside) — HIGH SCHOOL—Mar. 26, by Bd. Educ., Cliffside, brick, steel and stone, plain foundation, Palisade Ave., here. $325,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Dec. 24.

N. J., New Brunswick—PHYSICS—Mar. 24, by Bd. Institutions & Agencies, Trenton, 2 story and basement, brick and steel, plain foundation, here. $389,000. A. B. Mills, State Bldg., Trenton, archt. Noted Apr. 2.

N. J., Nutley (br. Newark) — HIGH SCHOOL — Mar. 26, by Bd. Educ., Park School Bldg., Franklin Ave., constructing high school, Franklin Ave. Guilbert & Betelle, Chamber of Commerce Bldg., Newark, archts. Noted Nov. 20, 1924.

D. C., Wash.—SCHOOL—Mar. 16, by Dist. Comrs., constructing wing MacFarland Junior High School. $180,000.

Fla., Hollywood—SCHOOL—Broward Co. (Ft. Lauderdale) taking bids 2 story school, here. $150,000.

Mich., Ferndale (br. Detroit) — HIGH SCHOOL—Mar. 23, by G. Damon, secy. Bd. Educ. Dist. 9, 2 story and basement, 12 room, rein.-con., brick and steel addition to Lincoln High School, plain foundation, Nine Mile Rd. $150,000. H. T. Keyes, 635 Free Press Bldg., Detroit, archt.

Ill., Hillside — CHURCH SCHOOL and MONASTERY—Mar. 23, by Servite Fathers Monastery, c/o A. Brosnahan, pastor, 3121 West Jackson Blvd., Chicago, 2 and 3 story and basement, rein.-con., brick and stone church, school and monastery. $200,000. O'Meara & Hills, Arcade Bldg., St. Louis, Mo., archts. Noted Jan. 21.

Calif., Los Angeles—HIGH SCHOOL—Mar. 17, by Bd. Educ., Horace Mann Junior High School, part 1, 2 and 3 story, 180 x 527 ft. main building, 75 x 150 ft. shop, rein.-con. and hollow tile. $325,000 or more. Edelman & Zimmerman, H. W. Hellman Bldg., archts. Noted July 23, 1925.

Calif., Los Angeles—SCHOOL—Mar. 17, by Bd. Educ., 2 story, 60 x 256 ft., brick, 118th St. Krempel & Erkes, Bradbury Bldg., archts.

Calif., San Leandro — CONVENT and SCHOOL—J. J. Foley, archt., 770 5th Ave., San Francisco, taking bids 2 story each, rein.-con. school and convent, here, for St. Marys Convent. Noted Feb. 11.

Calif., Ventura—HIGH SCHOOL—Mar. 16, by Trustees Ventura Union High School Dist., 2 story, rein.-con. high school. To exceed $150,000. Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, archts. Noted Dec. 3.

Calif., San Francisco — HOTEL — See "Contracts Awarded."

Bids Received

Mass., Quincy (Ind. br. Boston) — SCHOOL—City, Pub. Building Dept., City Hall, 3 story and basement, 82 x 134 ft., and 70 x 170 ft., brick and steel, Hancock St., from Simpson Bros. Corp., 77 Summer St., Boston, $370,117. Noted Feb. 18.

N. J., Maplewood (br. South Orange)—HIGH SCHOOL—Bd. Educ., Dist. South Orange and Maplewood, general contract New High School, 3 story and part basement, rein.-con., brick and steel, here, from Bowe & Millinet, 388 Bergenline Ave., Union Hill, $1,216,000; heating and ventilating, from J. H. Melles, 832 Springfield Ave., $124,780. Noted Feb. 18.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., Mar. 3, general contract Elementary Public School, 3 story, attic and basement, 109 x 165 ft., rein.-con. and brick, plain foundation, 6th and Master Sts., from W. Langborne, 10 South 18th St., $419,024; heating, from D. J. Keating, 2042 Rittenhouse St., $43,231.

O., Mt. Vernon—CHURCH—P. L. Wilkins, chn. Building Com., Bd. Trustees Methodist Episcopal Church, Feb. 24, 2 story and basement, 135 x 140 ft., stone, concrete and brick, from Hawkins Constr. Co., Newark, $140,000.

Mich., Detroit—MEDICAL COLLEGE—Bd. Educ., 1354 Bway. Ave. (1st unit) 6 story and basement, 65 x 116 ft., rein.-con. and brick, plain foundation, Mullet and St. Antoine Sts., from Martin Krausman Co., 955 East Jefferson Ave., $248,600. Noted Feb. 11.

Wis., Marshfield—SCHOOL—School Dist. 1, M. Hansen, clk., 3 story and basement, 36 x 207 ft., and 62 x 108 ft., brick and concrete addition to Vocational and Junior High School, plain foundation, from T. Molzahn, 2 Majestic Bldg., La Crosse, $189,290. Noted Feb. 4.

Minn., Minneapolis — SCHOOL — Bd. Educ., C. F. Womrath, bus. mgr., 305 City Hall, Feb. 19, general contract (2nd unit) 3 story and basement, rein.-con., brick and stone addition, 14th St. and Spruce Pl., from L. E. Brophey & Co., 531 Lyndale Ave. N., $98,000. Noted Feb. 11.

Neb., Omaha — HIGH SCHOOL — Bd. Educ., M. Bird, secy., general contract 2 story and basement, 64 x 367 ft. and 164 x 180 ft. wing, rein.-con., brick and stone high school, from P. Kiewetts Sons, Omaha Natl. Bank Bldg., $376,850.

Contracts Awarded

Conn., New Haven — CHURCH — St. Anne's Roman Catholic Church, V. J. Camareta, chn., 1 story and basement, 45 x 115 ft., brick, steel and stone, Arch and Dixwell Aves., to Ruda Constr. Co., 420 1st Ave., West Haven. Archts. est. $150,000. Noted Aug. 13.

Conn., Waterbury—SCHOOL—St. Peters & Pauls Parish, 2 story and basement, brick and steel, Beacher St., to M. A. Durrschmidt, 100 Main St., Derby. Archts. est. $150,000. Noted Feb. 4.

N. Y., Laurel Hill (mail Flushing) — SCHOOL—St. Theresa of the Child Jesus Roman Catholic Church, 5 story, 60 x 125 ft., brick, steel and stone, plain foundation, Locust St., to H. Veit, 260 Devoe St., Brooklyn. Archts. est. $200,000. Noted Feb. 11.

D. C., Wash. — HIGH SCHOOL — Dist. Comrs., District Bldg., Stuart Junior High School, to Parsons & Hyman, Equitable Bldg., $455,000. Noted Mar. 4.

Florida — SCHOOLS — Mar. 23, by Bd. Pub. Instruction Duval Co., 2 Senior High Schools, in Special Tax School Dist. 1.

O., Cincinnati — SCHOOL — Bd. Educ., Denton Bldg., Western Hills High School, 3 story and basement, rein.-con. and brick, plain foundation, Bridgetown Park, to D. Meinken & Son, and David Hummel Build-

Buildings—Educational, Religious (Cont.)

ing Co., Barnard St., $902,472. Noted Dec. 10.

O., Cleveland — RECTORY — St. Agnes Roman Catholic Church, G. P. Jennings, pastor, 8000 Euclid Ave., 3 story and basement, 61 x 99 ft., rein.-con., brick, stone and steel, East 81st St., to C. A. Carson Co., 5716 Euclid Ave. Archts. est. $150,000. Noted Feb. 4.

O., Grandview (Columbus P. O.) — SCHOOL—S. R. Scholes, clk. Bd. Educ., 2 story and basement, 112 x 136 ft., brick and concrete, to E. Elford, 555 Park St., Columbus, $108,950.

O., Zanesville—CHURCH and SUNDAY SCHOOL—St. Johns Evangelical Lutheran Church, W. Long, pastor, 1 and 2 story, 80 x 160 ft., brick and steel, to E. Mast, 100 Greenwood St. Archts. est. $150,000. Noted Dec. 17.

Ind., Fowler—SCHOOL—Mar. 29, by Advisory Bd., Center School Twp. Benton Co., and L. Gunnels, trustee Center School Twp., Natl. Bank Bldg., 2 story and basement, brick and stone school. J. A. Bruck, Kentland, archt. Noted Jan. 7.

Mich., Newberry—HIGH SCHOOL—Bd. Educ., H. Kunert, chn., 3 story and basement, brick, tile and concrete, plain foundation, also remodeling powerhouse, to Foster Constr. Co., 114 Grand Ave., Milwaukee, Wis., $194,878. Noted Jan. 28.

Minn., Edina (Minneapolis P. O.) — SCHOOLS—G. M. Sachs, clk. Independent School Dist. 17, general contract 2 story and basement, rein.-con. and brick, Wooddale Ave. and 50th St., to M. Madsen Co., 702 Natl. Bldg., Minneapolis; also 1 story and basement, brick, 42nd St. and Grimes Ave., to Industrial Contg. Co., 3050 4th Ave., Minneapolis. Combined cost $150,000. Noted Feb. 4.

Okla., Enid—CHURCH—First Presbyterian Church, 2 story and basement, 86 x 146 ft., rein.-con. and brick, plain foundation, 6th St., to G. Buxton, Enid Natl. Bank Bldg., $250,000 cost plus percentage basis. Noted Feb. 18.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., general contract John Adams Junior High School, 3 story and basement, 148 x 168 ft., brick and rein.-con., to D. Callahan, Lankershim Bldg., $143,250. Noted Feb. 25.

Calif., Oakland—SCHOOL—Bd. Educ., San Leandro High School, 2 story, brick and steel, to Sampel & Cody, 693 Mission St., San Francisco, $308,000. Noted Feb. 25.

Calif., San Francisco — SCHOOL — Bd. Pub. Wks., general contract Edison School, fireproof, Chattanooga St. between 22nd and 23rd Sts., to Amoroso & Damico, 180 Jessie St., for City and San Francisco Co. $287,000. Noted Feb. 11.

Federal Government Work

Proposed Work

Mass., Chelsea — Quarters — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans double quarters at Naval Hospital, here. Noted Mar. 26.

D. C., Wash. — Office—Treas. Dept., at office Supervising Architect, plans addition main office building, 14th and B Sts. S. W., $5,000,000; office buildings for Dept. Justice $500,000, Dept. Agriculture $2,000,000, General Accounting $2,500,000, Dept. Labor $5,000,000, General Supply Com. $2,000,000, and Inter State Commerce Com. $5,000,000, also groups of buildings $6,000,000, sites for above not selected.

Calif., San Diego—Sewer—Spec. 5189—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans outfall sewer at destroyer base, here.

C. Z., Panama—Pipe Masts—Spec. 5145—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Feb. 24, 2 guyed steel pipe masts for naval radio station, here. Noted Mar. 4.

Bids Desired

Mass., Lynn—Remodeling—Mar. 31, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Conn., Hartford—Dredging—Apr. 12, by U. S. Engineer Office, Providence, R. I., dredging in Connecticut River, below here; adv. E. N.-R. Mar. 11.

Conn., Torrington—Remodeling—Mar. 26, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Mar. 11.

N. Y., Northport—Deep Well—Mar. 23, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing deep well at U. S. Veterans Hospital, here. L. H. Tripp, ch. constr. div.

N. Y., Staten Island—Ejector Station, etc. —Mar. 25, by Constructing Quartermasters Office, 39 Whitehall St., New York City, sewage ejector station and discharge sewer line at Miller Field, here; adv. E. N.-R. Mar. 11.

Pa., Lebanon—Remodeling—Mar. 22, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Md., Baltimore—Storehouse—Mar. 25, by Treas. Dept., at office Supervising Archt., Wash., D. C., storehouse, etc. at U. S. Quarantine Station, here.

D. C., Wash.—Steel, etc.—Cir. 2407—Mar. 15, at office A. L. Flint, genl. purch. officer Panama Canal, Wash., D. C., steel bars, staybolt iron, copper tubing, etc.

Fla., St. Augustine—Remodeling—Mar. 19, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

O., Lima—Vestibule, etc.—Mar. 23, by Treas. Dept., at office Supervising Archt., Wash., D. C., vestibule, etc., at U. S. Post Office, here.

O., Lorain—Vestibule—Mar. 29, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling Post Office, here.

Mo., Joplin—Vestibule, etc.—Mar. 24, by Treas. Dept., at office Supervising Archt., Wash., D. C., vestibule, etc., at U. S. Post Office, here.

Mo., St. Louis—Barges—Mar. 31, by U. S. Engineer Office, 428 Customhouse, 20 small steel barges; adv. E. N.-R. Mar. 11.

Bids Received

Pa., Erie—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., Mar. 3, remodeling U. S. Post Office, here, from A. M. Lundberg, Times Bldg., St. Louis, Mo., $26,220. Noted Feb. 18.

D. C., Wash.—Elevator—U. S. Engineer Office, Navy Bldg., Mar. 1, installing freight elevator for water supply project for Dist. of Columbia, from Westbrook Elevator Co., Danville, Va., $5,700, alternate $4,875. Noted Feb. 4.

N. C., Cape Lookout (mail Beaufort)—Compass Station — Spec. 5182 — Bureau Yards & Docks, Navy Dept., two 100 ft. radio compass stations, at Naval Radio Compass Station, here, from W. F. Martens, Arlington and North Goodman Sts., Rochester, N. Y., **(1)** $4,800 **(2)** $5,600 **(3)** $4,900 and **(4)** $5,800. Noted Feb. 4.

Kan., Hutchinson — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., Feb. 25, remodeling and enlarging U. S. Post Office, here, from A. M. Lundberg, Times Bldg., St. Louis, Mo., $19,990. Noted Feb. 4.

Calif., Mare Island — Hospital — Spec. 5105—Bureau Yards & Docks, Navy Dept., Wash., D. C., general contract rein.-con., brick and steel hospital at Navy Yard Hospital, here, from **(A)** Mahoney Bros., 866 Flood Bldg., San Francisco **(B)** Barrett & Hilp, 918 Harrison St., San Francisco **(C)** R. E. McKee, 1128 Central Bldg., Los Angeles, **(A1)** $229,817 **(B1)** $304,792 **(C1)** $331,600; **(A2a)** $154,041 **(B2a)** $151,774 **(C2a)** $159,400; **(A2b)** $145,517 **(B2b)** $151,445 **(C2b)** $158,200; **(A3)** $299,817 **(B3)** $297,242 **(C3)** $329,600; **(A4)** $293,200 **(B4)** $265,342 **(C4)** $321,600; **(A5 add)** $3,170 **(B5)** $1,300 **(C5)** $5,000; **(A6a)** $154,041 **(B6a)** $149,094 **(C6a)** $159,400; **(A6b)** $145,517 **(B6b)** $148,215 **(C6b)** $158,200; **(A7a)** $151,296 **(B7a)** $146,429 **(C7a)** $155,400; **(A7b)** $142,325 **(B7b)** $144,555 **(C7b)** $155,200; **(A8a)** $27,500 **(B8a)** $21,700; **(C8a)** $21,800; **(A8b)** $27,500 **(B8b)** $21,200 **(C8b)** $21,400; **(A8c)** $25,000 **(B8c)** $20,646 **(C8c)** $21,000; heating, from O. E. Ross, 711 Central Bldg., Los Angeles, **(12)** $29,750 **(13a)** $13,000 **(13b)** $12,900 and **(14)** $2,000. Noted Jan. 21.

Calif., Palo Alto—Water Tanks—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., red wood water tanks for U. S. Veterans Hospital 24, here, from Redwood Manufacturers Co., Hobart Bldg., San Francisco, $7,382. Noted Feb. 4.

Contracts Awarded

N. Y., Buffalo—Breakwater—U. S. Engineers Office, Federal Bldg., concrete superstructure for breakwater in Buffalo Harbor, to O'Brien Constr. Co., Builders Exchange Bldg., Cleveland, O., $39,088. Noted Feb. 25.

D. C., Bennings — Power Plant — Potomac Electric Power Co., 231 14th St. N. W., Wash., contract for design and construction plant addition, here, incl. 36,000 kw. turbo generator with boilers, auxiliaries and switch gear, also 20,000 kw. frequency changer, to Stone & Webster, 147 Milk St., Boston, Mass.

D. C., Wash. — Administration — U. S. Veterans Bureau, Arlington Bldg., administration building and clinic at U. S. Veterans Hospital, Mount Alto, here, to Schneider-Spliedt Co., Kellogg Bldg., Wash., D. C., $158,000. Noted Dec. 31.

Fla., Miami — Office — U. S. Engineer Office, Masonic Bldg., Jackson, office building, here, to L. Wallace, Miami Beach, $6,175. Noted Jan. 7.

Ky., Louisville—Metal Work—U. S. Engineers Office, P. O. Box 72, Lots A, A-1 and A-2 metal work for chanoine heartrap weirs for Dams 52 and 53, Ohio River, to C. Hegewald Co., New Albany, Ind., $15,405.

O., Cincinnati—Mezzanine—Treas. Dept. at office Supervising Archt., Wash., D. C., mezzanine at U. S. Post Office, here, to David Gordon Building & Constr. Co., Burnet and North Avon Sts., $5,999. Noted Feb. 25.

Ill., Evanston—Remodeling—Treas. Dept. at office supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to Pearson-Regnell Co., 5816 Bway., Chicago, $4,900. Noted Mar. 4.

Minn., Fort Snelling—Refrigeration Plant —Bureau Yards & Docks, Navy Dept., Wash., D. C., icemaking and refrigerating plant for U. S. Veterans Hospital, here, to Milwaukee Steam Appliance Co., West Allis, Wis., $17,560.

S. D., Hot Springs—Refrigeration Plant —U. S. Veterans Bureau, Navy Dept., Wash., D. C., refrigeration and ice making plant at U. S. Veterans Hospital, here, to Baker Ice Machine Co., Inc., 3601 North 16th St., Omaha, Neb., $23,085. Noted Feb. 25.

Tex., Brownsville — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Court House, Custom House and Post Office, here, to C. Weitz Constr. Co., 713 Mulberry St., Des Moines, Ia., $17,576. Noted Mar. 4.

T. H., Pearl Harbor — Administration — Spec. 5149—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending administration building, here, to W. Wills, 502 Thompson St., Seattle, Wash., $97,821 (240 days). Noted Mar. 4.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

686—Union Carbide Co., 1709 East Cary St., Richmond, Va. — Wants preliminary permit power project in Clinch and Powell Rivers and tributaries, in Tennessee and Virginia.

687—Oroville-Wyandotte Irrigation District, Oroville, Calif.—Wants preliminary permit power project in South Fork Feather River and tributaries, in Butte and Plumas Counties.

688—Tongass Power & Light Co., Hyder, Alaska —Wants preliminary permit power project in Salmon River, Tongass Natl. Forest.

689—Tongass Power & Light Co., Hyder, Alaska —Wants preliminary permit power project in Soule River, Tongass Natl. Forest Park.

690 — G. T. Stetson & H. S. Nixon, trustees Ojai Irrigation Dist., Ojai, Calif.—Wants preliminary permit constructing 180 ft. dam, creating 30,800 acre-feet capacity reservoir, 8.2 mi. conduit and power house, approximately 2 mi. northeast of Ojai, Ventura Co.

691—Cliff Gold Mining Co., Laramie, Wyo. — Wants preliminary permit small power project in Middle Fork of Little Laramie River.

Unclassified

Proposed Work

Conduits, etc.—Hartford, Conn.—Hartford Electric Light Co., 266 Pearl St., plans new conduits $97,100, removing overhead wires $88,500, and increasing cable facilities $74,400. A. D. Colvin, genl. mgr.

Grand Stand—Gulfport, Miss.—Gulfport Athletic Assn., owners of Gulfport Cotton

Unclassified (Continued)

Shops League, having plans prepared by Smith & Norwood, Gulfport, new grand stand, 2,000 seating capacity.

Boilers, etc.—Indianapolis, Ind.— Indianapolis Power & Heat Co., W. C. Marmon, pres., Monument Pl., plans 3 new boilers at Mill St. plant, $50,000; also new lines, poles, meters, transformers for extending service to homes, $200,000.

Gas Pipe Line—Texas—Upham Gas Co., Mineral Wells, plans 60 mi. 8 and 12 in. pipe line from Shamrock Gas and Oil Fields in Wheeler Co. to Childress. $700,000. Private plans.

Pier—Breckenridge, Tex.—See "Buildings—Industrial."

Transmission Line—California—City of San Francisco and San Francisco Co. (San Francisco) plan electric transmission line from Newark, Alameda Co. to San Francisco, along Bay Shore. $20,000 appropriated to finance survey. M. M. O'Shaughnessy, city engr.

Ornamental Lighting System—Burbank, Calif.—See "Streets and Roads."

Subway—Fresno, Calif.—Fresno Co. and Santa Fe R.R. Co., C. F. W. Felt, ch. engr., 80 East Jackson Blvd., Chicago, Ill., making preliminary plans subway under Santa Fe R.R. tracks in McKinley Ave. $100,000-$150,000. C. P. Jensen, Fresno, co. surv.

Ornamental Lighting System—Glendale, Calif.—Ornamental lighting system on San Fernando Rd. and Western Ave., to K. D. Miller, 218 South Greenleaf Ave., Whittier, $30,285.

Ornamental Lighting System — Long Beach, Calif.—City Council soon takes bids metal standards on Atlantic Ave. To exceed $70,000. R. D. Van Alstine, city engr.

Transmission Line — Ontario — Insull Power Co., Sault Ste Marie, plans 40 mi. transmission line from Michipicoten to Goudreau Goldfields. $150,000. J. A. McPhail, c/o owners, engr.

Bids Desired

Elimination Grade Crossing — Buffalo, N. Y.—Mar. 15, at office Grade Crossing & Terminal Station Comn., 1036 Endicott Sq., eliminating grade crossing of Colvin St. at Erie and Delaware, Lackawanna & Western R.R. by constructing subway and approaches. G. H. Norton, ch. engr. Noted Dec. 17.

Grade Separation—Michigan—See "Contracts Awarded."

Swimming Pool—Belle Isle (mail Tobins Harbor), **Mich.** — See "Buildings — Commercial."

Electrical Equipment and Breakwater—Chicago, Ill.—Mar. 16, by City, City Hall, electrical equipment for double leaf trunnion bascule bridge over South Branch Chicago River, at Adams St.; also pile and timber breakwater on line 450 ft. north of and parallel to Municipal Pier. A. A. Sprague, comr.

Lighting System—Elmhurst, Ill.—Mar. 29, by Bd. Local Impvts., ornamental street lighting system. F. N. Neumann, city clk.; adv. E. N.-R. Mar. 11.

Transmission Line—Wisconsin—Wisconsin Valley Electric Co., F. Nolte, purch. agt., 206 3rd St., taking bids road poles, cross arms, insulators, wire, etc., for approximately 40 mi. transmission line between Wausau and Antigo. Private plans.

Ornamental Lighting System—Los Angeles, Calif.—Supervs. Los Angeles Co. taking bids metal standards on streets between Slauson Ave. and 84th Pl., and from Central Ave., easterly, Co. Impvt. 406. To exceed $50,000.

Wharf—Monterey, Calif.—City Council taking bids Wharf 2, steel. Former bids rejected. F. B. Smith, Holbrook Bldg., San Francisco, engr. Noted Feb. 18.

Coke Ovens—Hamilton, Ont.—See "Contracts Awarded."

Bids Received

Cast Iron Pipe — Boston, Mass. — City, 100,000 lb. 4 in. diam., spigot and bell c.i. pipe, from U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., Phila., Pa., $4,300; other c.i. requirements, from G. A. Caldwell Co., Willoughby Rd., Milton, $0.048 per lb.

Lighting System—New York, N. Y.—Bd. Health, L. I. Harris, pres., 505 Pearl St., Mar. 1, underground roadway lighting system, in various buildings, Riverside Hospital, North Brothers Island, Bronx, from F. Scandon, 86 Park Pl., $53,000. Noted Feb. 18.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway connecting Manhattan-Bronx Subway to Manhattan Elevated line, Agreement "EE," from M. D. Walsh, 1124 Findlay Ave., $218,920. Noted Feb. 25.

Asphalt Plant — Detroit, Mich. — Dept. Pub. Wks., Feb. 17, 1 story, 37 x 37 ft., rein.-con. silo and shop, Lynch and French Rds., from J. L. Beecher Co., 8014 Grand River Ave., Detroit, $25,065. Noted Feb. 11.

Contracts Awarded

Swimming Pool — Worcester, Mass. — Worcester Polytechnic Institute, R. Earle, pres., Dr. Homer Fuller Memorial swimming pool, to E. D. Ward Co., 82 Foster St., Worcester. Engrs. est. to exceed $25,000.

Ice Arena—New Haven, Conn.—Berkshire Ice Corp., 2 story, 80 x 200 ft. ice arena, rein.-con., brick and steel, Grove St., to Sullivan & McKeon, 937 Dixwell Ave. About $450,000.

Fire Alarm System—New York, N. Y.—Fire Dept., Municipal Bldg., portion underground fire alarm system, to J. Gerhart, 50 Church St., $11,750. Noted Feb. 25.

Docks, etc. — Montauk, N. Y. — Montauk Beach Development Corp., C. G. Fisher, 52 Vanderbilt Ave., New York City, 700 ft. and 450 ft. piers and 2 bridges, here, to Robbins-Ripley Co., 50 Church St., New York City. Engrs. est. $250,000.

Street Lighting System — Phila., Pa. — See "Streets and Roads."

Underpass—Atlanta, Ga.—City, underpass at Bell St. between Hunter and Decatur Sts., to Hagedorn Constr. Co., Greensboro, N. C., $72,900. Engrs. est. $75,000. Noted Aug. 27.

Grade Separation—Michigan—State Hy. Dept., at office Comrs. Monroe Co., Monroe, will build Grade Separation 5,804,003 under Detroit & Ironton R.R. tracks, by state construction forces. $70,435. Noted Feb. 11.

Culverts—Albia, Ia.—See "Streets and Roads."

Ornamental Lighting System—Los Angeles, Calif.—Ornamental lighting system on Hillhurst Ave. between Los Feliz and Hollywood Blvds., to D. S. McEwan, 2930 Main St., Ocean Park, $32,250. Noted Feb. 18.

Swimming Pool—Santa Monica, Calif.—See "Buildings—Commercial."

Coke Ovens—Hamilton, Ont.—Hamilton By Product Coke Ovens will build 35 by product ovens, installing coal and coke handling equipment, etc., under supervision A. T. Leavitt, engr., c/o owner. $1,500,000.

Materials

Proposed Work

Road Oil—Carlinville, Ill.—See "Streets and Roads."

Road Oil—Mt. Sterling, Ill.—See "Streets and Roads."

Cement, Bars, etc. — Corydon, Ia. — Bd. Supervs. Wayne Co. soon takes bids 1,200 bbl. cement, 50 tons reinforcing bars, 3 tons nails, 5,000 ft. corrugated iron pipe and 2 tons red lead in oil. C. H. Ford, resident engr.

Wire, etc.—Nebraska and South Dakota—Northwestern Bell Telephone Co., 19th and Douglas Sts., Omaha, Neb., plans to purchase 21,900 mi. copper wire in cable, 1,150 mi. open copper and 365 mi. iron wire, 25,300 poles, 11,700 cross arms, etc., here. $1,521,000.

Bids Desired

Portland Cement, etc.—Brooklyn, N. Y.—Mar. 17, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, 8,000 bbl. Portland cement; 5,000 cu.yd. 1½ in. aggregate; 3,000 cu.yd. sand grit; 4,000 cu.yd. paving and concrete sand; 2,000 cu.yd. paving and concrete sand; 600,000 gal. asphaltic road oil for cold application; 600,000 gal. asphaltic cement for bituminous and concrete mixtures; 3,000 tons limestone; 12,000 cu.yd. asphalt sand; 8,000 cu.yd. binder stone; and 15,000 cu.yd. steam cinders.

Lumber, etc.—New York, N. Y.—Mar. 16, by P. J. Dooling, comr. Purchase, Municipal Bldg., lumber and creosoted paving blocks, to Dept. Parks in Bronx, Manhattan and Brooklyn, Police and Correction Depts., and Dept. Plants & Structures.

Rails, Timber, etc.—New York, N. Y.—Mar. 19, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., for open hearth rail (Order 4) for Rapid Transit R.R. also ties and timber (Order 14) for portion of Queensboro Subway.

Creosoted Ties—Phila., Pa.—Mar. 16, H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., creosoted ties, approximately 1,735,000 ft. timber mostly southern yellow pine. Noted Feb. 11.

Paving Materials—Phila., Pa.—Mar. 15, by Dept. Supplies, City Hall, Class 158 for paving, gravel, stone and asphalt wearing surface, etc. E. J. Lafferty, dir.

Paving Blocks—Baltimore, Md.—Mar. 17, by Bd. Awards, vitr. paving blocks for Bureau Highways during 1926, f.o.b. Baltimore. S. Purcell, City Hall, highways engr.

Road and Bridge Material — Memphis, Tenn.—Mar. 16, by Comrs. Shelby Co., E. W. Hale, chn., annual supply of road and bridge materials, incl. crushed limestone, road gravel, concrete gravel, sand, cement, steel, piling, pine, oak lumber, culvert pipe, bituminous material, natural rock asphalt (heated and cold), mule shoes, fuel oil and lubricating oil, etc.

Cast Iron Pipe—Cleveland, O.—Mar. 19, by City, 2,190 tons 3- to 60-in. c.i. pipe.

Lumber, Gravel, Stone, etc.—Indianapolis, Ind.—Mar. 19, by Bd. Comrs. Marion Co., bridge lumber, gravel, stone, asphalt, etc. H. Dunn, co. aud.

Paving Blocks—Detroit, Mich.—Mar. 23, by Dept. Purchases & Supplies, Marquette Bldg., 200,000 granite paving blocks, f.o.b. Detroit.

Asphalt Filler, etc.—Kenosha, Wis.—Mar. 13, by C. M. Osborn, city mgr., 50 tons asphalt filler, 3 tons 24 in. motor brown fibre, and ½ ton 24 in. gutter brown wire.

Wire—Kenosha, Wis.—Mar. 15, by C. M. Osborn, city mgr., 5 mi. 10 B & S gage hard drain triple braid weatherproof copper wire, for Fire & Police Depts.

Cables, etc.—Milwaukee, Wis.—Mar. 15, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 41,405 ft. lead encased paper insulation cable and 20,000 ft. vitr. clay conduits.

Road Oil, etc.—Milwaukee, Wis.—Mar. 15, by Central Bd. Purchases, W. J. Nicholson, ch. buyer, 100,000 gal. more or less, each special and medium light asphaltic road oil, 50,000 gal. more or less light bituminous, 150,000 gal. more or less bituminous surfacing material, and 500,000 gal. more or less bituminous binder (heavy tar).

Trap Rock, Gravel, etc. — Minneapolis, Minn. — Mar. 15, by F. S. Gram, city purch. agt., 4,500 cu.yd. trap rock and 1,000 cu.yd. washed gravel. N. W. Elsberg, city engr.

Road Oil—Minneapolis, Minn.—Mar. 18, by F. S. Gram, city purch. agt., road oil for Dept. Engineering. N. W. Elsberg, city engr.

Pipe, etc., Cisco, Tex.—Milton Oil Co., taking bids new and second hand pipe, 4½, 6⅝, 8, 10, 12¾, 15½ and 20 in. casing, also 250, 500 and 1,000 bbl. knockdown steel tanks and fittings. $40,000.

Bids Received

Asphalt and Asphalt Filler—St. Paul, Minn.—A. E. Eggert, city purch. agt., Feb. 23, 350 tons asphalt, from A. W. Van Haften, 4536 Dupont Ave. S., Minneapolis, $22.25 per ton; and 80 tons asphalt filler, from Standard Oil Co., 3rd and Commercial Sts., $21.70.

Pig Lead—Phila., Pa.—Dept. Pub. Wks., Bureau of Water, Feb. 23, 50,000 lb. pig lead, Contr. 794, from N. Tralter & Co., 36 North Front St., $4,710. Noted Feb. 18.

Contracts Awarded

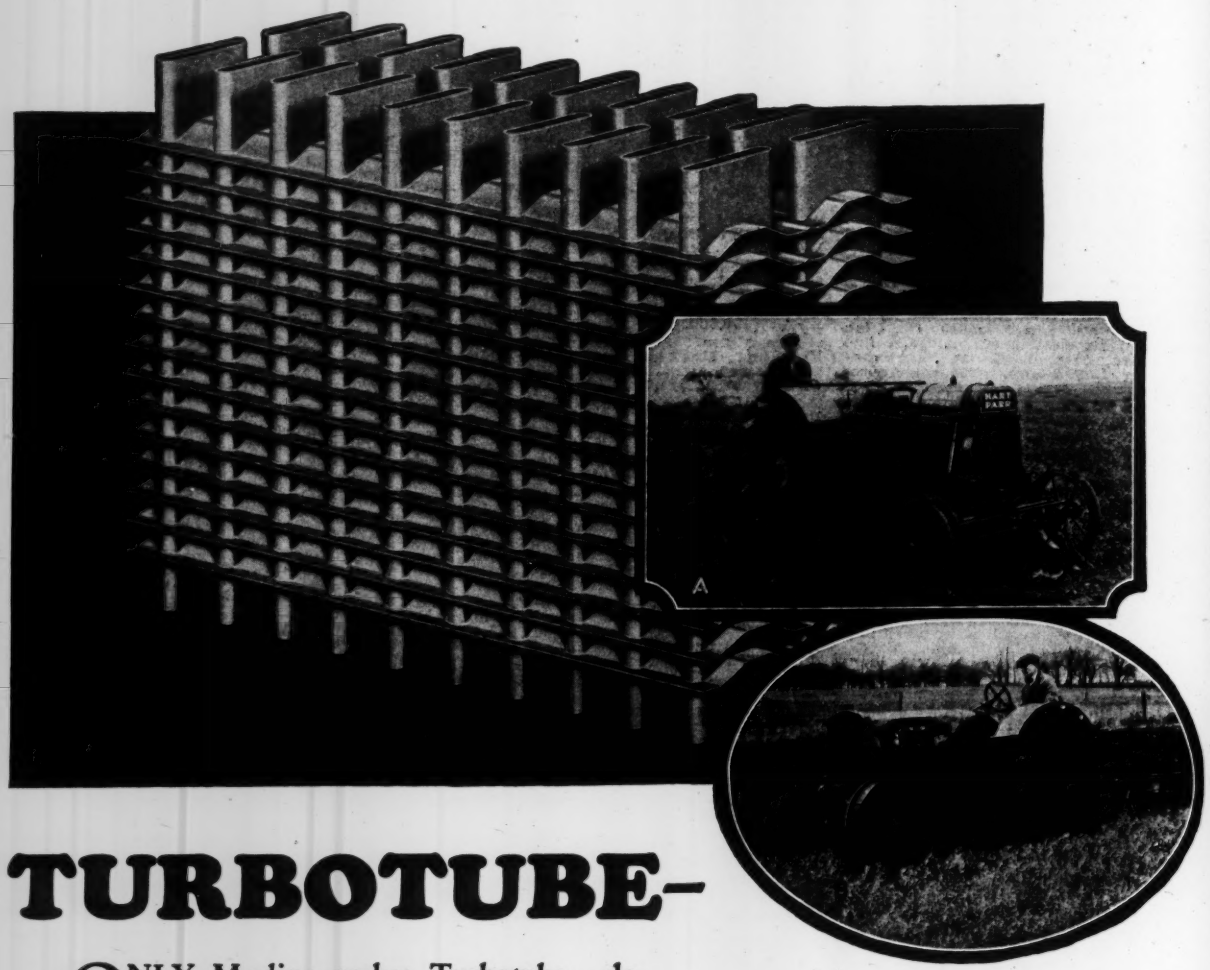
Calcium Chloride, etc.—Freehold, N. J.—Bd. Freeholders Monmouth Co., 50 tons calcium chloride, to Wing & Evans, 40 Rector St., New York City, at $28.80 per ton, total $1,440; 75,000 gal. tar road surface dressing, to W. G. Harrington, 50 Church St., New York City, $0.405 per gal., total $30,375; and 100,000 gal. asphaltic oil, to Asphalt Service Co., Inc., 84 Bayard St., New Brunswick, $0.2049 per gal., total $20,490. Grand total $52,305. Noted Feb. 18.

Cement, Gravel and Sand—St. Augustine, Fla.—D. P. Davis Properties, 100,000 bbl. cement and 100,000 tons gravel and sand, to Taylor Bros. & Co., foot of Main St., Norfolk, Va., $800,000.

Cement — Detroit, Mich. — Commissioner Purchases & Supplies, Marquette Bldg., 250,000 bbl. Portland cement, f.o.b. Wyandotte, to Huron Wyandotte Portland Cement Co., Ford Bldg., at $2.10 per bbl. Noted Feb. 11.

Road Oil — Watertown, Wis. — F. S. Weber, city clk., 100,000 gal. 50 to 60% asphaltic content, to Standard Oil Co., 414 Sycamore St., Milwaukee, $0.0576 per gal. Noted Feb. 4.

Creosoted Paving Blocks — Milwaukee, Wis. — Central Bd. Purchases, for 7,000 more or less sq.yd. creosoted paving blocks, to E. J. Stocking Co., 111 West Washington St., Chicago, Ill., at $2.09 per sq.yd. Noted Jan. 28.



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